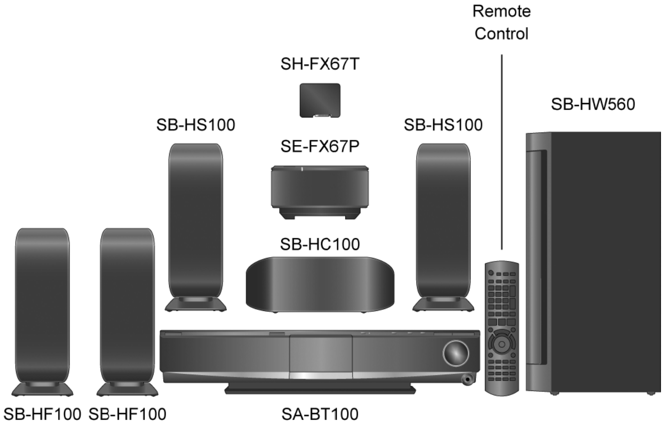
ORDER NO. MD0803025CE
A6

Service Manual

Blu-ray Disc Home Theater Sound System

SA-BT100P
SA-BT100PC

Colour
(K).......................Black Type



Specifications

Main unit SA-BT100P/PC

●**GENERAL**

Power supply: AC 120 V, 60 Hz
iPod connector: DC OUT 5V 500 mA MAX
Power consumption: This unit 140 W
Power consumption in standby mode:
approx. 0.3 W
Dimensions (W×H×D):
With transmitter:
430 mmx96 mmx327 mm
(16-15/16” X 3-25/32” X 12-7/8”)
Without transmitter:
430 mmx90 mmx327 mm
(16-15/16” X 3-9/16” X 12-7/8”)
Mass: This unit approx 4.1 kg(9.1 lbs)
Operating temperature range: +0 °C to +40 °C
(+32 °F to +104 °F)
Operating humidity range: 35 % to 80 % RH
(no condensation)

●**AMPLIFIER SECTION**

RMS TTL Output Power:
Front Ch:
250 W per channel (6 Ω), 1 kHz, 10% THD
Surround Ch:
125 W per channel (3 Ω), 1 kHz, 10% THD
Center Ch:
250 W per channel (6 Ω), 1 kHz, 10% THD
Subwoofer Ch:
250 W per channel (6 Ω), 100 Hz, 10 % THD
Total RMS TTL power:
1250 W

FTC TTL Output Power:
Front Ch:
104 W per channel (6 Ω), 120Hz to 20 kHz, 1.0% THD
Surround Ch:
34 W per channel (3 Ω), 120Hz to 20 kHz, 1.0% THD
Center Ch:
101 W per channel (6 Ω), 120Hz to 20 kHz, 1.0% THD
Subwoofer Ch:
95 W per channel (6 Ω), 45 Hz to120 Hz, 1.0% THD
Total FTC TTL power:
472 W

Audio Input:

Panasonic®

AUX:

x 1

Digital Audio Input:

Optical:

x 1

●FM TUNER SECTION

Frequency Range:

87.9-107.9 MHz (200-kHz step)

87.5-108.0 MHz (100-kHz step)

Antenna terminals

75 Ω (unbalanced)

●DISC SECTION

Discs played:

(1) BD-Video:

BD-ROM Version 2

(2) BD-RE:

Version 3 (Single Layer, Dual Layer), JPEG[*6]

(3) BD-R:

Version 2 (Single Layer, Dual Layer)

(4) DVD-RAM:

DVD Video Recording format, AVCHD format[*7], JPEG[*4]

(5) DVD-R/DVD-RW/DVD-R DL:

DVD-Video format[*1],DVD-Video Recording format, AVCHD format[*1,7]

(6) +R/+RW/+R DL:

Video[*1], AVCHD format[*1,7]

(7) DVD-Video

DVD-Video format

(8) CD-Audio

CD-DA

(8) CD-R/RW

CD-DA, JPEG[*5], MP3

Optical pick-up System with 2 lenses

Wavelength: 782 nm (CDs)/662nm (DVDs)/405nm (BDs)

LaserSpecification

Class 1 LASER Product

Wavelength: 782 nm (CDs)/662 nm (DVDs)/405 nm (BDs)

Laser power: No hazardous radiation is emitted with the safety protection

SD CARD SECTION

SD card slot: Output connector (1 system)

SD card: SD Memory Card[*2] formatted FAT12, FAT32[*3]. JPEG[*4], AVCHD format[*7]

[*1] Finalizing is necessary.

[*2] includes SDHC card

includes miniSD cards (need a miniSD Adaptor)

includes microSD cards (need a microSD Adaptor)

[*3] Does not support long file name

[*4] The total combined maximum number of recognizable picture contents and folders: 3000 picture contents and 300 folders.

[*5] The total combined maximum number of recognizable picture contents and folders: 999 picture contents and 99 folders.

[*6] The total combined maximum number of recognizable picture contents and folders: 9999 picture contents and 300 folders.

[*7] AVCHD format V1.0

●VIDEO SECTION

Signal system: NTSC

Video output

Output level: 1.0 Vp-p (75 Ω)

Output connector: Pin jack (1 system)

Component Video Output (1080i/720p/480p/480i)

●Y output level: 1.0 Vp-p (75 Ω)

●P_B output level: 0.7 Vp-p (75 Ω)

●P_R output level: 0.7 Vp-p (75 Ω)

Output connector Pin jack (Y: green, PB: blue, PR: red) (1 system)

HDMI AV output

Output format:

480p (525p)/1080i (1125i)/720p (750p)/1080p (1125p)

Output connector:

Type A (19 pin)

HDMITM (Deep color)

● This unit supports “HDAVI Control 3” function.

Note:

1. Specifications are subject to change without notice.
   Mass and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

Solder:

This model uses lead free solder (PbF).

Mechanism:

This model uses BD/DVD Drive (VXY2001 SERIES)

Wireless Features:

This Model supports wireless surround (e.g:SH-FX67)

System	SC-BT100P/PC-K
Main unit	SA-BT100P/PC-K
Front speakers	SB-HF100P-K*[1]
Surround speakers	SB-HS100P-K*[1]
Center speaker	SB-HC100P-K*[1]
Subwoofer	SB-HW560E-K1(P)*[1]
Subwoofer	SB-HW560PC-K(PC)*[1]
Digital Transmitter	SH-FX67TPP-K*[1]
Wireless System	SE-FX67P-K1*[1]

Refer to their respective original service manuals for *1.

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■ **Built-in decoders**
You can play discs with these symbols.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals or potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Safety Precautions

1.1. GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, carry out the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.1.1. LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1MΩ and 5.2MΩ.
When the exposed metal does not have a return path to the chassis, the reading must be ∞

1.1.2. LEAKAGE CURRENT HOT CHECK

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 1.5kΩ, 10 watts resistor, in parallel with a 0.15µF capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in **Figure 1**.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

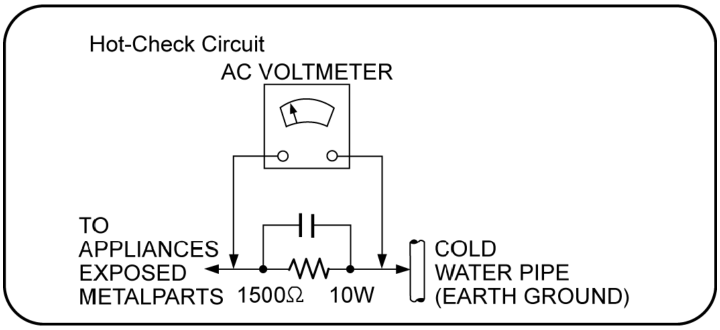


Figure 1

1.2. Before Repair and Adjustment

Disconnect AC power to discharge unit AC Capacitors as such C5700, C5701, C5702, C5703, C5704 through a 10 Ω, 10 W resistor to ground.

Caution:

DO NOT SHORT-CIRCUIT DIRECTLY (with a screwdriver blade, for instance), as this may destroy solid state devices.

After repairs are completed, restore power gradually using a variac, to avoid overcurrent.

Current consumption at AC 120 V, 60 Hz in NO SIGNAL mode volume minimal should be ~ 900 mA.

1.2.1. Caution for fuse replacement

(For English)
CAUTION:

Replace with the same type fuse:
(Manufacturer: LITTELFUSE, INC, Type: 233,F1, 8A, 125V)

(For Canadian French)
ATTENTION:

Utiliser un fusible de rechange de mme type:
(Manufacturer: LITTELFUSE, INC, Type: 233,F1, 8A, 125V)

1.3. Protection Circuitry

The protection circuitry may have operated if either of the following conditions are noticed:

- No sound is heard when the power is turned on.
- Sound stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used.

If this occurs, follow the procedure outlines below:

1. Turn off the power.
2. Determine the cause of the problem and correct it.
3. Turn on the power once again after one minute.

Note:

When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

1.4. Safety Parts Information

Safety Parts List:

There are special components used in this equipment which are important for safety.
These parts are marked by ⚠ in the Schematic Diagrams & Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

Table 1

Ref. No.	Part No.	Part Name & Description	Remarks
1	J0KD00000126	FERRITE CORE	[M] ⚠
5	REXX0640-J	BLACK WIRE (AC-SMPS)	[M] ⚠
6	REXX0641-J	RED WIRE (AC-SMPS)	[M] ⚠
28	VXY2001-SER	BD DRIVE UNIT	[M] ⚠
33	RGR0382A-A2	REAR PANEL	[M] P ⚠
33	RGR0382A-B2	REAR PANEL	[M] PC ⚠
38	RKM0592-K	TOP CABINET	[M] ⚠
A2	K2CB2CB00021	AC CORD	[M] ⚠
PCB2	RFKB4368A	DIGITAL PCB	[M] (RTL) ⚠
PCB3	RFKB4370A	MAIN PCB	[M] (RTL) ⚠
PCB11	REPX0622V	SMPS PCB	[M] (RTL) ⚠
PCB12	REPX0622V	AC INLET P.C.B	[M] (RTL) ⚠
IC103	RFKWEDF001PA	IC EEPROM	[M] (RTL) ⚠
IC3002	RFKWBT100DS1	IC FLASH ROM	[M] ⚠
IC3102	RFKWBT100DS2	IC FLASH ROM	[M] ⚠
IC51001	MN2WS0043AP	IC DV LSI	[M] ⚠
IC51302	C3FBSC000029	IC NAND FLASH ROM	[M] ⚠
IC51303	C3ZBL0000027	IC EEPROM	[M] ⚠
DZ5701	ERZV10V511CS	ZENER	[M] ⚠
L5701	ELF15N035AN	LINE FILTER	[M] ⚠
L5702	ELF22V035B	LINE FILTER	[M] ⚠
L5703	ELF22V035B	LINE FILTER	[M] ⚠
T5701	ETS42BM19GAC	MAIN TRANSFORMER	[M] ⚠
T5751	ETS19AB281AG	BACKUP TRANSFORMER	[M] ⚠
T7001	G4D1A0000117	SWITCHING TRANSFORMER	[M] ⚠
PC5701	B3PBA0000402	PHOTO COUPLER	[M] ⚠

Ref. No.	Part No.	Part Name & Description	Remarks
PC5702	B3PBA0000402	PHOTO COUPLER	[M] ⚠
PC5720	B3PBA0000402	PHOTO COUPLER	[M] ⚠
PC5799	B3PBA0000402	PHOTO COUPLER	[M] ⚠
F1	K5D802APA008	FUSE	[M] ⚠
IP7001	K5H7512A0010	PROTECTOR	[M] ⚠
IP58301	ERBSE3R00U	PROTECTOR	[M] ⚠
TH5701	D4CAA2R20001	THERMISTOR	[M] ⚠
TH5860	D4CC11040013	THERMISTOR	[M] ⚠
P5701	K2AB2B000010	AC INLET	[M] ⚠
C5700	F1BAF1020020	1000pF	[M] ⚠
C5701	ECQU2A104MLC	0.1uF	[M] ⚠
C5702	ECQU2A104MLC	0.1uF	[M] ⚠
C5703	ECQU2A104MLC	0.1uF	[M] ⚠
C5704	F1BAF1020020	1000pF	[M] ⚠

2 Prevention of Electrostatic Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution:

   Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

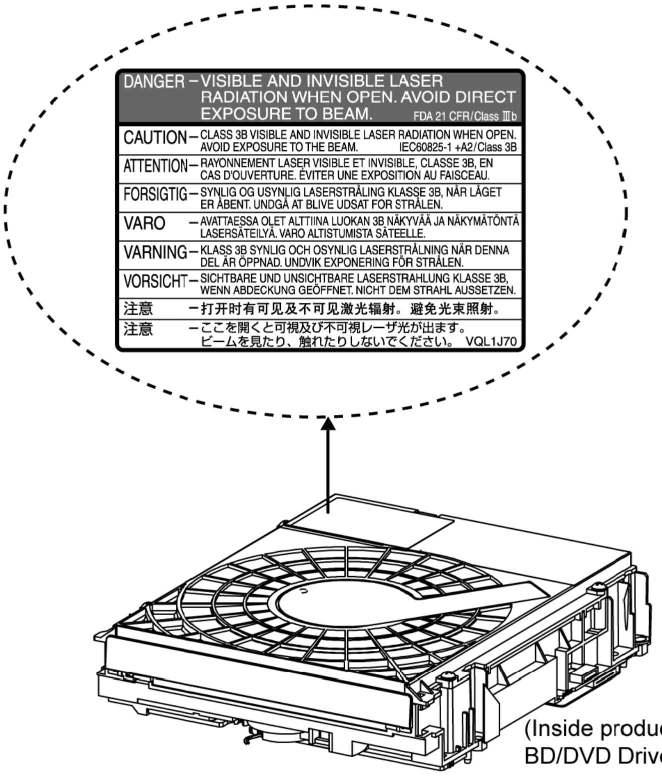
3 Precaution of Laser Diode

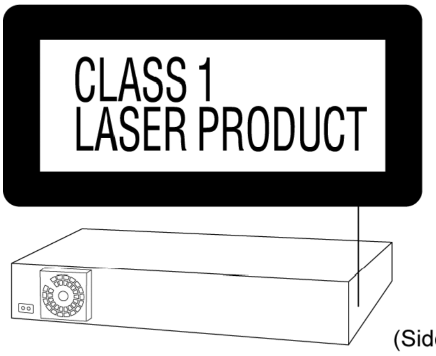
CAUTION :

This product utilizes a laser diode with the unit turned "on", invisible laser radiation is emitted from the pickup lens.
Wavelength: 662 nm (DVD)/782 nm (CD)/405 nm (BD)
Maximum output radiation power from pickup: 100 µW/VDE

Laser radiation from the pickup unit is safety level, but be sure the followings:

1. Do not disassemble the pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.





(Side of product)

(Inside product on BD/DVD Drive Unit)

CAUTION:
THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

4 About Lead Free Solder (PbF)

4.1. Service caution based on legal restrictions

4.1.1. General description about Lead Free Solder (PbF)

The lead free solder has been used in the mounting process of all electrical components on the printed circuit boards used for this equipment in considering the globally environmental conservation.

The normal solder is the alloy of tin (Sn) and lead (Pb). On the other hand, the lead free solder is the alloy mainly consists of tin (Sn), silver (Ag) and Copper (Cu), and the melting point of the lead free solder is higher approx.30 degrees C (86°F) more than that of the normal solder.

Definition of PCB Lead Free Solder being used

The letter of “PbF” is printed either foil side or components side on the PCB using the lead free solder. (See right figure)	PbF

Service caution for repair work using Lead Free Solder (PbF)

- The lead free solder has to be used when repairing the equipment for which the lead free solder is used.
  (Definition: The letter of “PbF” is printed on the PCB using the lead free solder.)
- To put lead free solder, it should be well molten and mixed with the original lead free solder.
- Remove the remaining lead free solder on the PCB cleanly for soldering of the new IC.
- Since the melting point of the lead free solder is higher than that of the normal lead solder, it takes the longer time to melt the lead free solder.
- Use the soldering iron (more than 70W) equipped with the temperature control after setting the temperature at 350±30 degrees C (662±86°F).

Recommended Lead Free Solder (Service Parts Route.)

- The following 3 types of lead free solder are available through the service parts route.
  RFKZ03D01K-----------(0.3mm 100g Reel)
  RFKZ06D01K-----------(0.6mm 100g Reel)
  RFKZ10D01K-----------(1.0mm 100g Reel)

Note

* Ingredient: tin (Sn), 96.5%, silver (Ag) 3.0%, Copper (Cu) 0.5%, Cobalt (Co) / Germanium (Ge) 0.1 to 0.3%

5 Service Navigation

5.1. Service Information

The service manual contains technical information which will allow service personnel's to understand and service this model.
Please place orders using the parts list and not the drawing reference numbers.

If the circuit is changed or modified, the information will be followed by supplement service manual to be filed with original service manual.

1) This service manual does not contain the following information, because of the impossibility of servicing at component level.

* Schematic Diagram, Block Diagram and P.C.B. layout of Digital P.C.B..
* Parts List for individual parts of Digital P.C.B..
* Exploded View and Parts List for individual parts of BD/DVD drive.

2) The following category are recycle modeule part. Please send them to Central Repair Center.

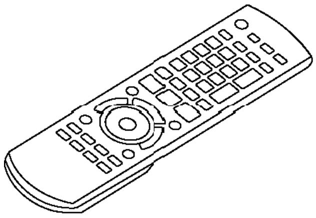
* Digital P.C.B. (BT100P/PC : RFKB4368A)

3) For BD/DVD Drive, it depends on area to defferent recycle system.
Please refer to service policy in detail.

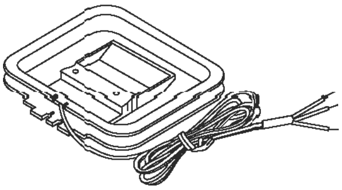
* BD/DVD drive (VXY2001-SER)

6 Accessories

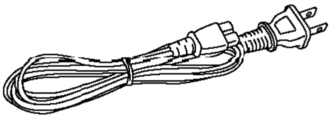
- **Note: Refer to “Replacement Parts List” (Section 25) for the part number.**



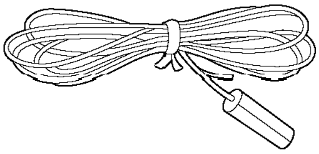
Remote control



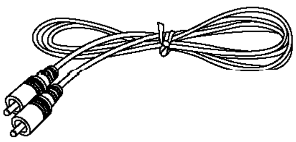
AM loop antenna



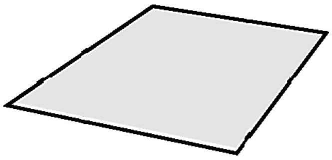
AC cord
(For SA-BT100 & SH-FX67)



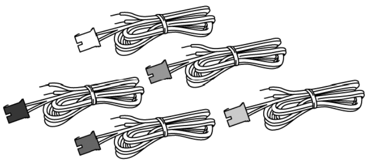
FM Indoor Antenna



Video cable



Speaker cable sticker

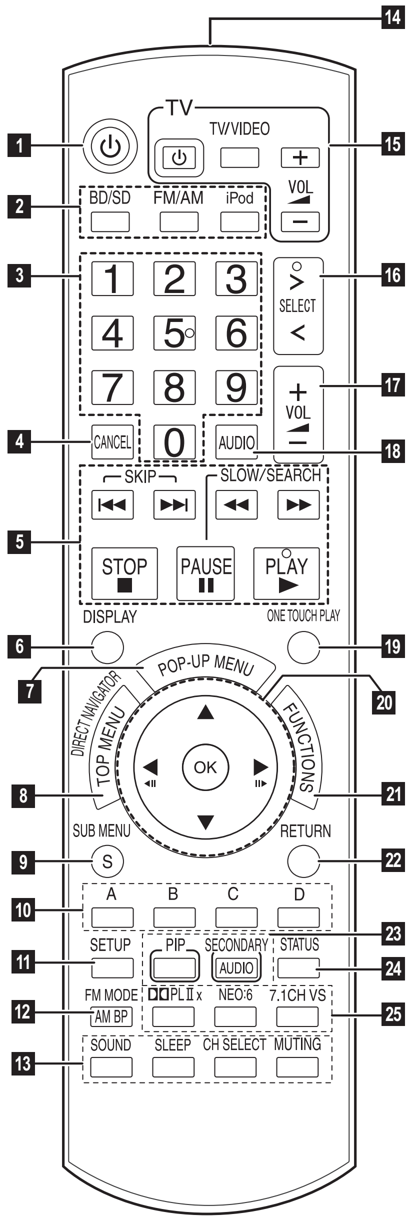


Speaker cables

7 Operation Procedures

7.1. Remote Control Key Buttons Operations

Remote control



1 Turn the unit on and off

2 **Select the source**
[BD/SD]: Select disc drive or SD card drive
[FM/AM]: Select FM/AM tuner
[iPod]: Select iPod as the source

3 **Numbered buttons**
Select preset radio stations and title numbers, etc./Enter numbers

4 Cancel

5 **Basic playback control buttons**
[|◀◀, ▶▶|]: Select preset radio stations
[◀◀,▶▶]: Select radio station manually

6 Show on-screen menu

7 Show Pop-up menu

8 Show Top Menu/Direct Navigator

9 Show sub menu

10 These buttons are used when operating a BD-Video disc that includes Java^{TM} applications (BD-J). For more information about operating this kind if disc, please read the instructions that came with the disc.
The [A] and [B] buttons are also used with the "Title View", "Picture View" and "Album View" screens

11 Show Setup menu

12 Remove interference during radio reception

13 [SOUND]: Set the sound effect
[SLEEP]: Set the sleep timer
[CH SELECT]: Select speaker channel
[MUTING]: Mute the sound

14 Transmit the remote control signal

15 **TV operation buttons**
Aim the remote control at the Panasonic TV and press the button.
[⏻TV]: Turn the TV on and off
[TV/VIDEO]: Switch the input channel
[+ -VOL]: Adjust the TV volume
● This may not work properly with some models.

16 **Select the source**
BD/DVD/CD ↔ SD ↔ FM ↔ AM ↔ IPOD ↔ D-IN ↔ AUX

17 Adjust the volume of the main unit

18 Select audio

19 Start up and play a disc automatically

20 [▲,▼,◀,▶]: Menu selection
[OK]: Selection
[◀, ▶]: Select preset radio station
[◀] (◀II),[▶] (II▶): Frame-by-frame

21 Show FUNCTIONS menu

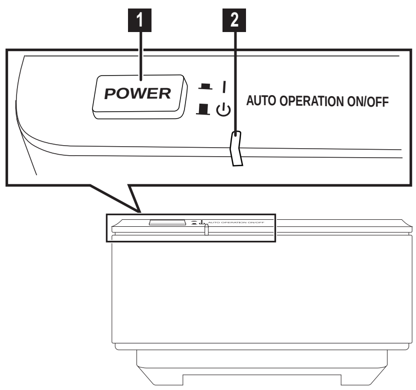
22 Return to previous screen

23 [PIP]:Switch on/off Secondary Video (Picture-in-picture)
[SECONDARY AUDIO]:Switch on/off Secondary Audio

24 Show status messages

25 Enjoy surround sound

Wireless system



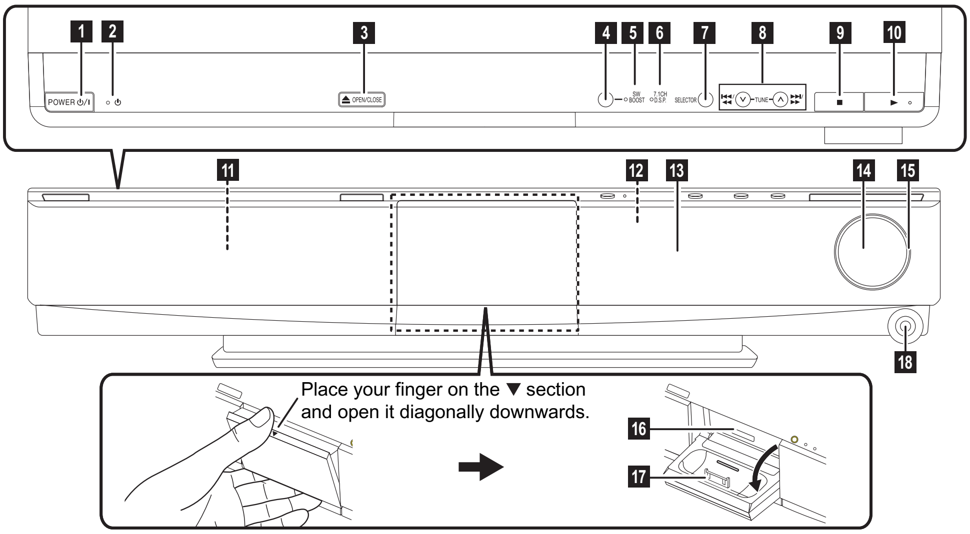
1 **Unit on/off button [POWER ▄ I, █ ⏻]**

2 Use this button to turn the unit on and off.
▄ I : This unit is on.
█ ⏻ : This unit is off.

AUTO OPERATION ON/OFF POWER indicator
The indicator lights red when the wireless system is turned on and lights green when the wireless link is activated. When the wireless link is inactive for a long time, it turns red.

7.2. Main Unit Key Buttons Operations

Main unit



1 **POWER button (POWER ⏻/I)**
Press to switch the unit form on to standby mode vice versa. In standby mode, the unit is still consuming a small amount of power.

2 Standby/on indicator (⏻)
When the unit is connected to the household AC outlet, this indicator lights up in standby mode and goes out when the unit is turned on.

3 Open or close the disc tray

4 SW BOOST (Subwoofer boost) button
Turn Subwoofer boost on/off

5 SW BOOST (Subwoofer boost) indicator
Lights when Subwoofer boost is on

6 7.1CH D.S.P. indicator
Illuminated during 7.1ch source playback.

7 Select the source
BD/DVD/CD → SD → FM → AM → IPOD → D-IN → AUX
↑____↑

8 Select the radio station manually
Search /Slow-motion/Skip

Search:	Press and hold (During play)
Slow-motion:	Press and hold (During pause)
Skip:	Press

9 Stop

10 Start play

11 Disc tray

12 Remote control signal sensor

13 Display

14 Adjust the volume of the main unit

15 Volume indicator
- It is possible to set the indicator to turn on/off.

16 SD card slot

17 Connect iPod

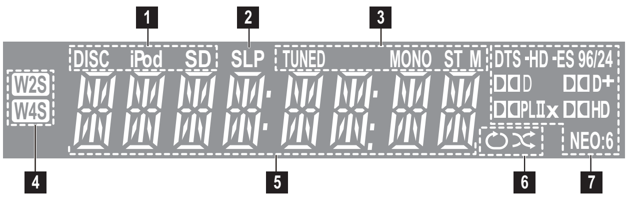
18 Headphone terminal

Rear panel terminals

CAUTION

Do not place objects in front of the unit. The disc tray may collide with objects when it is opened, and this may cause injury.

The unit's display



1 **Drive indicator**

DISC	Lights when disc is ready to play.
iPod	Lights when iPod is ready to play.
SD	Lights when SD card is ready to play.

- The indicator blinks when reading data.

2 **SLEEP indicator**

3 **Radio broadcast display**

TUNED	Lights when receiving a radio broadcast.
MONO	Lights when set to monaural reception.
ST	Lights when set to stereo broadcast reception.
M	Flashes during preset channel registration.

4 **Wireless link indicator**

W2S	Lights when speaker setting is set to 5.1ch and link with wireless system is activated.
W4S	Lights when speaker setting is set to 7.1ch and link with wireless system is activated.

- The indicator blinks when the wireless link is inactive for a long time.

5 **Main display section**

6 **iPod indicator**

(repeat)	Illuminated during iPod repeat playback
(shuffle)	Illuminated during iPod shuffle playback

7 **Audio signal indicator**

DTS	Lights when DTS decoder is being used.
DTS -HD	Lights when DTS-HD decoder is being used.
DTS -ES	Lights when DTS-ES decoder is being used.
DTS 96/24	Lights when DTS 96/24 decoder is being used.
DD D	Lights when Dolby Digital decoder is being used.
DD D+	Lights when Dolby Digital Plus decoder is being used.
DD PLII	Lights when Dolby Pro Logic II decoder is being used.
DD PLIIx	Lights when Dolby Pro Logic IIx decoder is being used.
DD HD	Lights when Dolby TrueHD decoder is being used.
NEO:6	Lights when DTS NEO:6 matrix decoder is being used.

7.3. Using the VIERA Link “HDAVI Control™”

(VIERA Link™ H DAVI Control™)

What is VIERA Link HDAVI Control ?

VIERA Link™ is a new name for EZ Sync™.
VIERA Link HDAVI Control is a convenient function that offers linked operations of this unit, and a Panasonic TV (VIERA) under HDAVI Control . You can use this function by connecting the equipment with an HDMI cable. See the operating instructions for connected equipment for operational details.

Preparation

1. Confirm that the HDMI connection has been made
2. Set VIERA Link to On
3. To complete and activate the connection correctly, turn on all VIERA Link HDAVI Control compatible equipment and set the TV to the corresponding HDMI input mode for this unit.

Setting the TV audio for VIERA Link HD AVI Control

Select between AUX and D-IN to work with the linked operations. Confirm the audio connection to the AUX terminal (for AUX) or OPTICAL IN terminal (for D-IN)

1. Press [▷, ◁ SELECT] to select AUX or D-IN .
2. Press [SETUP].
3. (When D-IN is selected)
   Press [▲,▼] to select TV SOUND .
4. Press [OK].
5. Press [▲,▼] to switch AUX or D-IN and press [OK].

Whenever the connection or settings are changed, reconfirm the points above.

NOTE

- VIERA Link HDAVI Control , based on the control functions provided by HDMI which is an industry standard known as HDMI CEC (Consumer Electronics Control), is a unique function that we have developed and added. As such, its operation with other manufacturers equipment that supports HDMI CEC cannot be guaranteed.
- **This unit supports HDAVI Control 3 function.**
  HDAVI Control 3 is the newest standard (current as of December, 2007) for Panasonic s HDAVI Control compatible equipment. This standard is compatible with Panasonic s conventional HDAVI equipment.
- Please refer to individual manuals for other manufacturers equipment supporting VIERA Link function.
- **It is recommended that you use Panasonic s HDMI cable.**
  Recommended part number:
  RP-CDHG10 (1.0 m/3.3 ft.), RP-CDHG15 (1.5 m/ 4.9 ft.),RP-CDHG20 (2.0 m/6.6 ft.), RP-CDHG30 (3.0 m/9.8 ft.), RP-CDHG50 (5.0 m/16.4 ft.), etc.
- **Non-HDMI-compliant cables cannot be utilized.**

What you can do with HDAVI Control

One touch play

You can turn on this unit and TV, and start playing with a single press of a button.

Press [ONE TOUCH PLAY].

This unit s speakers will be automatically activated (→right, Speaker control).

- This function also works if you press [▶] (PLAY) on this unit s remote control when this unit is in standby mode.
- Playback may not be immediately displayed on the TV. If you miss the beginning portion of playback, press [|◀◀] or [◀◀] to go back to where playback started.

Automatic input switching

- When you switch the TV input to TV tuner mode, this unit will automatically switch to AUX * or D-IN *.
  [This function does not work when the iPod selector (SIMPLE mode) is chosen.]
- When you start disc play, the TV will automatically switch its input mode for this unit.

Automatic lip-sync function (for HDAVI Control 3)

Delay between audio and video is automatically adjusted, enabling you to enjoy smooth audio for the picture

- This function works only when BD/DVD , SD , AUX * or D-IN * is selected as the source on this unit.

Speaker control

You can select whether audio is output from the unit s speakers or the TV speakers by using the TV menu settings. For details, refer to the operating instructions of your TV.

Home theater
This unit s speakers are active.

- When this unit is in standby mode, changing the TV speakers to this unit s speakers in the TV menu will automatically turn the unit on and select AUX * or D-IN * as the source.
- The TV speakers are automatically muted.
- You can control the volume setting using the volume or mute button on the TV s remote control. (The volume level is displayed on the main unit s FL display.)
- To cancel muting, you can also use the home theater remote control
- If you turn off this unit, TV speakers will be automatically activated.

TV
TV speakers are active.

- The volume of this unit is set to 0 .
  – This function works only when BD/DVD/CD , SD , AUX * or D-IN * is selected as the source on the home theater system.
- Audio output is 2-channel audio.

Power off link

When the TV is turned off, this unit goes into standby mode automatically.

- This function works only when BD/DVD/CD , SD , IPOD , AUX * or D-IN * is selected as the source on this unit.

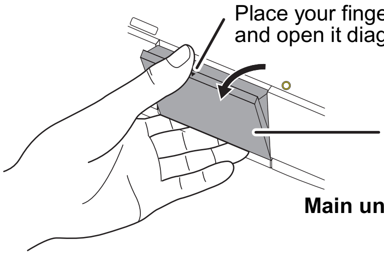
* AUX or D-IN works depending on the TV SOUND setting (→above, Setting the TV audio for VIERA Link HDAVI Control).

7.4. Using the iPod

Preparation

- **To view videos/photos from the iPod.**
  – Ensure the video connection to the VIDEO OUT terminal on this unit.
  – Operate the iPod menu to make the appropriate video/photo output settings for your TV.
- To display the picture, turn on the TV and select the appropriate video input mode.
- Before connecting/disconnecting the iPod, turn the main unit off or reduce the volume of the main unit to its minimum.

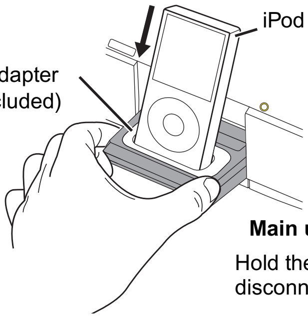
❶ Open the Dock for iPod.



❷ Connect the iPod (not included) firmly.

Recharging starts when the iPod is inserted.

e.g.,



Made for iPod

NOTE

About dock adapter

- Attach the dock adapter which should be supplied with your iPod to the dock for the stable use of the iPod. If you need an adapter, consult your iPod dealer.

About recharging the battery

- iPod will start recharging regardless of whether this unit is on or off.
- IPOD ✳ will be shown on the main unit's display during iPod charging in main unit standby mode.
- Check iPod to see if the battery is fully recharged.
- If you are not using iPod for an extended period of time after recharging has completed, disconnect it from main unit, as the battery will be depleted naturally. (Once fully recharged, additional recharging will not occur.)

Compatible iPod

Name	Memory size
iPod touch	8 GB, 16 GB
iPod nano 3rd generation (video)	4 GB, 8 GB
iPod classic	80 GB, 160 GB
iPod nano 2nd generation (aluminum)	2 GB, 4 GB, 8 GB
iPod 5th generation (video)	60 GB, 80 GB
iPod 5th generation (video)	30 GB
iPod nano 1st generation	1 GB, 2 GB, 4 GB
iPod 4th generation (color display)	40 GB, 60 GB
iPod 4th generation (color display)	20 GB, 30 GB
iPod 4th generation	40 GB
iPod 4th generation	20 GB
iPod mini	4 GB, 6 GB

NOTE

- Compatibility depends on the software version of your iPod.
- Audio/video cannot be recorded or transmitted to iPods via this system.
- Panasonic makes no warranty over iPod data management.
- **For more information, refer to the operating instructions for iPod.**
- The contents of the operating instructions and those displayed on iPod may differ partially, but this will not fundamentally affect use of music playback.

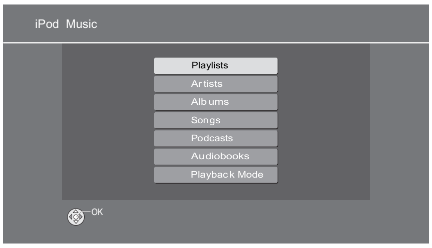
Playback

This system features two different iPod playback modes.
The first of these is EXTENDED mode, for playback of music contents. With this mode, the menu screen on the system can be used to search for playlists and artist names, and to play music. The second mode is SIMPLE mode, which can be used for playback of three types of contents – music, photos, and videos. With this mode, simple operations such as play, stop, and search can be performed on the display of your iPod.

Enjoy music (EXTENDED mode)

❶ Press [iPod] to select IPOD .

The iPod automatically switches to this unit s display mode.
iPod Music menu appears on the TV.
●If the menu screen is not displayed, press [SETUP].



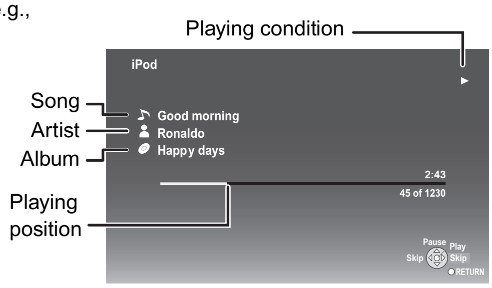
Items	Selection/playback method
Playlists	Search from all playlists.
Artists	Search by artist name.
Albums	Search by album title.
Songs	Search from all songs registered on iPod.
Podcasts	Search by episode for radio programs downloaded from iTunes store.
Audiobooks	Search by title from audiobooks purchased from iTunes store or audible.com.
Playback Mode*	Shuffle ●Off: Cancel ●Songs: Play all songs on iPod in random order. ●Albums: Play all songs on album in random order. [shuffle icon] is displayed on the unit s display when Songs or Albums is selected.
	Repeat ●Off: Cancel ●One: Play single song repeatedly. ●All: Play all songs from selected item (e.g., Playlists, Albums, etc.) repeatedly. [repeat icon] is displayed on the unit s display when One or All is selected.

* **Playback modes during connection/when disconnected**
System may be operated in same playback mode as set with iPod when connected. Playback may also be continued on iPod with same settings as made on system after disconnection.

❷ Press [▲ ,▼] to select an item and press [OK].

●Play will start from the selected song if this operation is repeated several times.
●Press [RETURN] to return to the previous screen.

e.g.,



Clear/display iPod Music menu during playback.
Press [TOP MENU].

Enjoy videos/photos (SIMPLE mode)

You can also play music using SIMPLE mode.

❶ Press [iPod] to select IPOD .

❷ Press [SETUP] to switch the iPod to its own display mode.

Proceed operations through display of iPod.
●If the iPod Music menu (→left) is displayed, press [SETUP]. SIMPLE will be shown on the main unit s display.

❸ Switch the TV input to video in.

❹ Play a slideshow or video on your iPod.

The picture will be displayed on your TV.

You can also use the remote control to operate iPod menu.
●[▲,▼]: To navigate menu items
●[OK]: To go to the next menu
●[RETURN]: To return to the previous menu

Basic controls (For music and videos only)

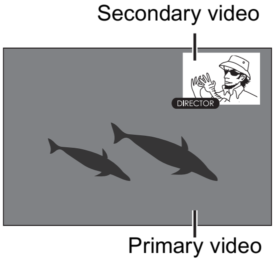
Buttons	Functions
[▶] (PLAY)	Play
[■]	Pause
[❚❚]	●Press [▶] (PLAY) to restart play. ●Playback start position may not be stored in memory in certain cases.
[⏮ , ⏭]	Skip
(Press and hold) [◀◀ , ▶▶]	Search

You can enjoy surround sound effect when you press [DD PLIIx] or [NEO:6]

7.5. Playing Secondary Video and Audio

Playing secondary video (picture-in-picture) and secondary audio

Secondary video can be played from a disc compatible with the picture-in-picture function.
For the playback method, refer to the instructions for the disc.



To turn on/off secondary video
Press [PIP].

Secondary video is played.

- PiP ON is displayed.
- Press the button to turn it ON and OFF.

To turn on/off audio with the secondary video
Press [SECONDARY AUDIO].

The secondary audio is played.

- Secondary Audio ON is displayed.
- Press the button to turn it ON and OFF.

NOTE

- Only the primary video is played during search/ slow-motion or frame-by-frame.

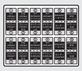
7.6. Basic Connections

7.6.1. Speaker Cables and Transmitter Connection

- Do not place the unit on amplifiers or equipment that may become hot. The heat can damage the unit.
- Turn off all equipment before connection and read the appropriate operating instructions.

Speaker cables and transmitter connection

Sheet of speaker cable stickers



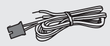
❶ Speaker cable for front speaker (L) (White)



❷ Speaker cable for front speaker (R) (Red)



❸ Speaker cable for surround speaker (L) (Blue)



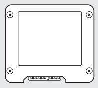
❹ Speaker cable for surround speaker (R) (Grey)



❺ Speaker cable for center speaker (Green)



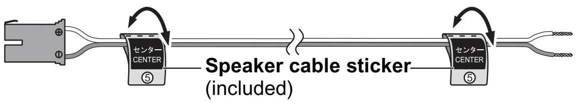
❼ Digital transmitter



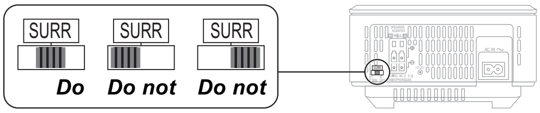
Preparation

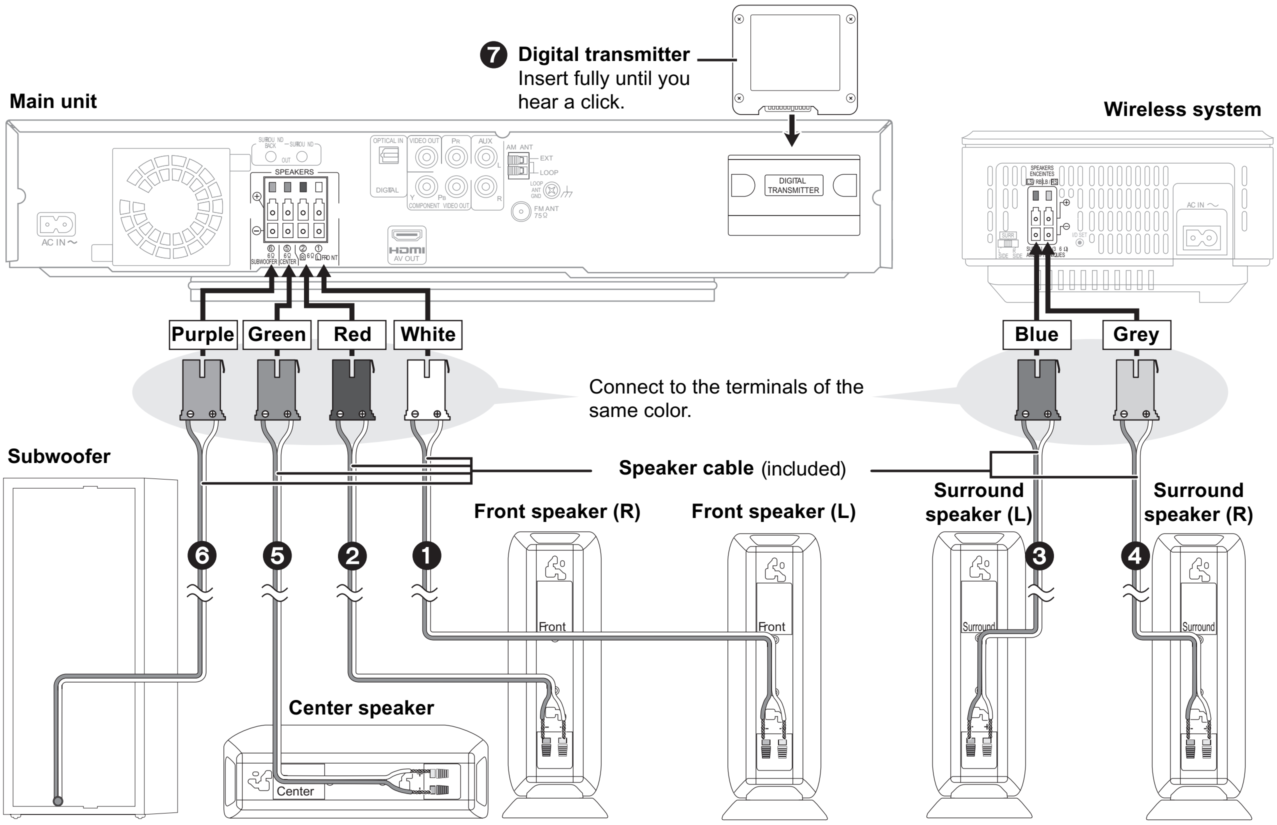
- **Attach the speaker cable stickers to make connection easier.**

e.g., Center speaker



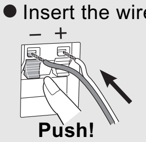
- **Set the surround selector at the rear of the wireless system to tis center.**





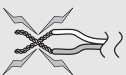
NOTE

- Do not use a front speaker as a surround speaker or vice versa. Verify the type of speaker with the label on the rear of the speaker.
- Do not insert or remove the digital transmitter while the main unit is on.
- Insert the wires fully.



+ : White
- : Blue

- Be careful not to cross (short-circuit) or reverse the polarity of the speaker wires as doing so may damage the speakers.

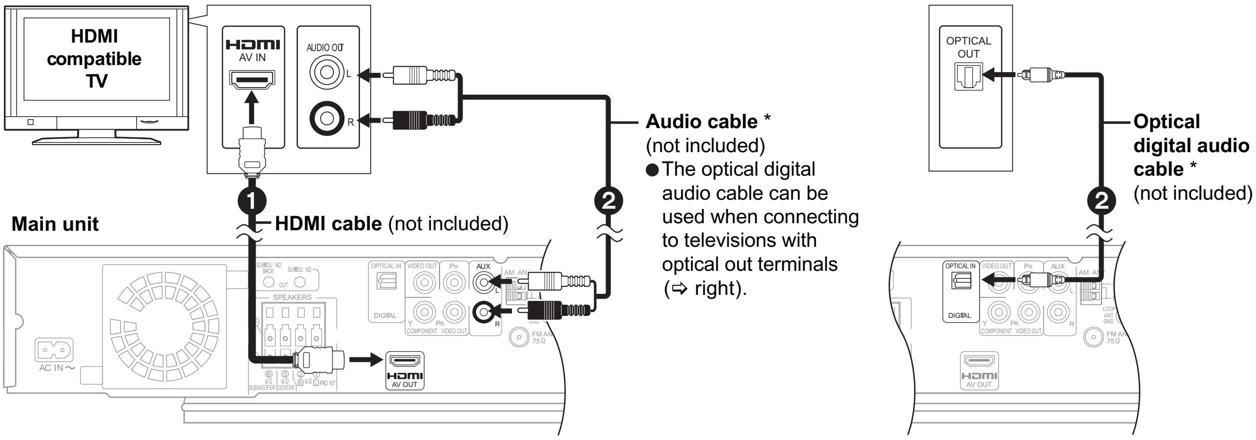


7.6.2. Connecting to a Television with HDMI & Video Cable

Connection to a TV

● **Do not connect through the video cassette recorder.** Due to copy guard protection, the picture may not display properly.

With an HDMI cable



NOTE

Please use High Speed HDMI cables that have the HDMI logo (as shown on the cover).
It is recommended that you use Panasonic's HDMI cable.
Recommended part number:
RP-CDHG10 (1.0 m/3.3 ft.), RP-CDHG15 (1.5 m/4.9 ft.), RP-CDHG20 (2.0 m/6.6 ft.), RP-CDHG30 (3.0 m/9.8 ft.), PR-CDHG50 (5.0 m/16.4 ft.), etc.
NECESSARY SETTINGS
"HDMI Video Mode" : "On"/"HDMI Audio Output" : "Off"

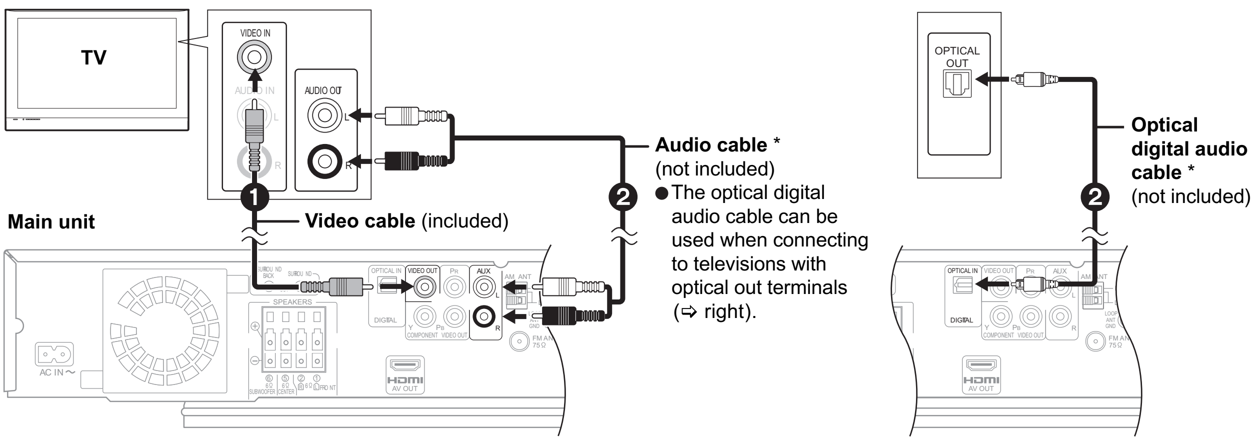
With this connection, you can use VIERA Link "HDAVI Control"

* These audio connections will enable you to play audio from your television through your home theater system

With Video cable

1 Video cable





NOTE

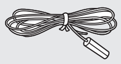
Optional connections
● For those who want to enjoy higher picture quality and have a TV equipped with an HDMI terminal
● For those who want to enjoy higher picture quality and have a TV equipped with a COMPONENT VIDEO IN terminal
● For those who have a Set Top Box (Satellite receiver, Cable box, etc) or video cassette recorder

*These audio connections will enable you to play audio from your television through your home theater system

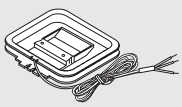
7.6.3. Radio Antenna and AC Power Supply Cord Connections

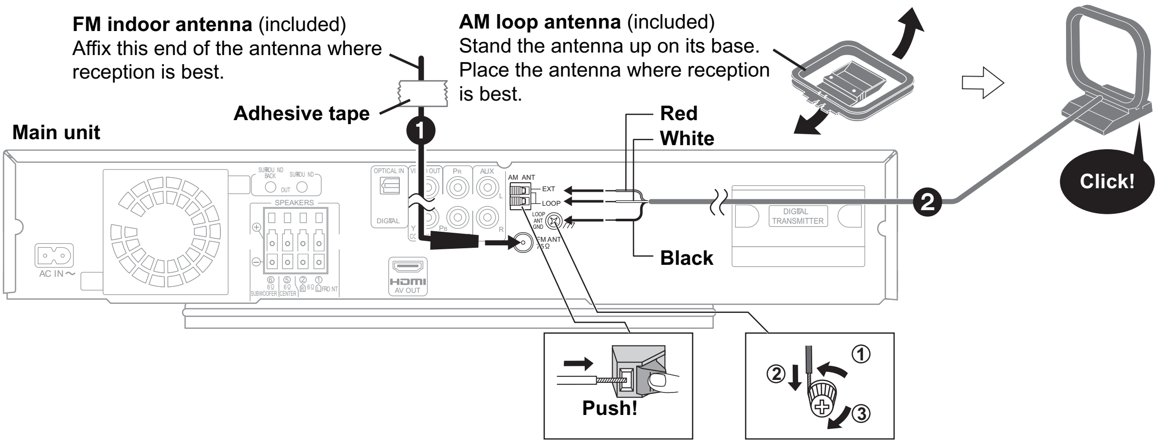
Radio antenna connections

❶ **FM Indoor antenna**



❷ **AM loop antenna**



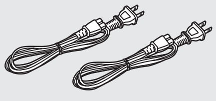


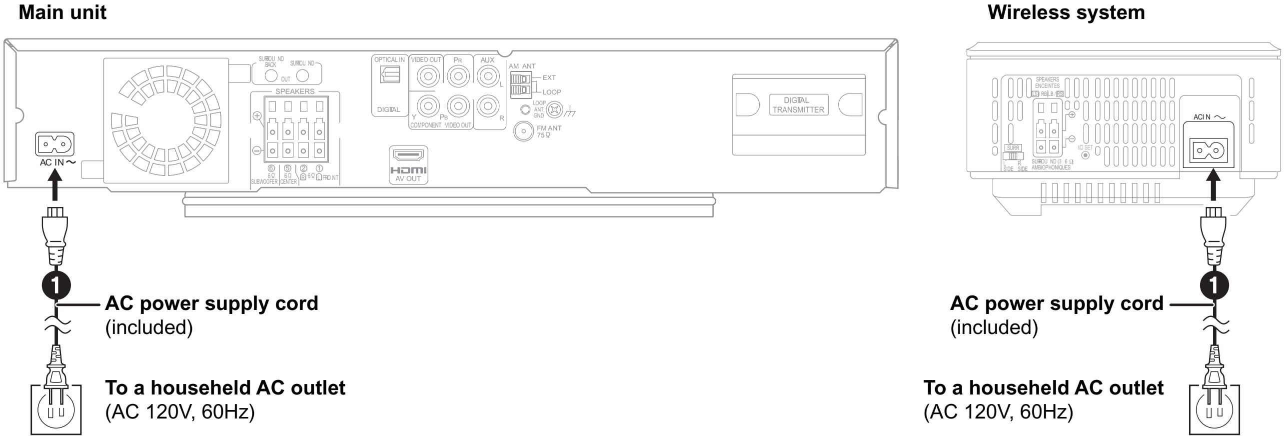
NOTE
- Keep loose antenna cables away from other wires and cables.

Optional connections
- Using FM/AM outdoor antenna (optional)

AC power supply cord connections

❶ **AC power supply cord**





NOTE

Power consumption
The main unit and the wireless system consume a small amount of power when they are turned off (Main unit: approx. 0.3 W, wireless system: approx. 0.2 W). To save power when they are not to be used for a long time, unplug them from the household AC outlet.
You will need to reset some memory items after plugging in the main unit.

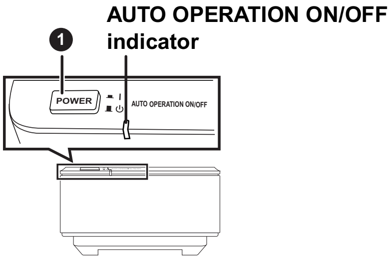
The included AC power supply cords are for use with the main unit and wireless system only. Do not use them with other equipment. Also, do not use cords for other equipment with the main unit or wireless system.

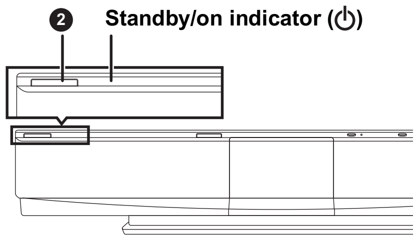
- When the AC power supply cord is connected for the first time, "PLEASE WAIT" is displayed on the main unit's display for about 30 seconds and power is turned off automatically.

7.6.4. Setting up the unit

Turn on the main unit and wireless system

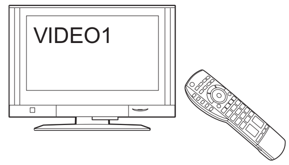
Turn on the power of the main unit and the wireless system after all connections are complete.





Preparation

Turn on the TV and select the appropriate video input on the TV.



❶ **Press [POWER ▂ I , ▆ ⏻] on the wireless system.**

- AUTO OPERATION ON/OFF indicator lights red when the wireless system is turned on and lights green when the wireless link is activated.

❷ **Press [POWER ⏻/I] on the main unit.**

- Standby/on indicator (⏻) goes out when the unit is turned on.

When the link between the main unit and the wireless system is activated, W2S or W4S is illuminated in the main unit s display.

e.g., W2S



- If W2S or W4S is flashing in the main unit s display, check that the digital transmitter at the back of the main unit is inserted correctly.

7.7. Disc and SD Cards Information

7.7.1. Packaged Discs

The chart shows the different type of retail/commercial discs you can use, and also includes the industry-standard logos that should appear on the discs and/or packaging.

Type of media/ Logo	Features	Indicated as
BD-Video Blu-ray Disc™ BD-Video	High Definition (HD) movie and music discs	BD-V

Type of media/ Logo	Features	Indicated as
BD-Video DVD VIDEO™ DVD VIDEO™	High quality movie and music discs	DVD-V
CD COMPACT disc DIGITAL AUDIO	Compact Discs (CD's) that contain audio and music ● Operation and sound quality of CDs that do not conform to CD-DA specifications (copy control CDs, etc.) cannot be guaranteed.	CD

7.7.2. Recorded Discs

This chart shows the different type of discs recorded with DVD recorders, DVD video cameras, personal computers, etc. that you can use.

Finalized This mark means you must finalize the disc with the DVD recorder, etc. before playback. For details about finalizing, refer to the operating instructions for your equipment.

Type of media/ Logo	Features	Indicated as
BD-RE	● Version 3 of the BD-RE Recording Format ● JPEG format	BD-V JPEG
BD-R	● Version 2 of the BD-R Recording Format	BD-V
DVD-RAM RAM RAM4.7	● Version 1.1 of the DVD Video Recording Format ● JPEG format ● AVCHD format	DVD-VR JPEG AVCHD
DVD-R/RW Finalized R R4.7 RW	● DVD-Video Format ● Version 1.1 of the DVD Video Recording Format ● AVCHD format	DVD-V DVD-VR AVCHD
DVD-R DL Finalized R R DL	● DVD-Video Format ● Version 1.2 of the DVD Video Recording Format ● AVCHD format	DVD-V DVD-VR AVCHD
+R/+RW/+R DL Finalized	● +VR (+R/+RW Video Recording) Format ● AVCHD format	DVD-V AVCHD
CD-R/RW Finalized	● CD-DA format ● MP3 format ● JPEG format	CD JPEG JPEG

- It may not be possible to play the above discs in some cases due to the type of discs, the condition of the recording, the recording method and how the files were created.
- When a disc recorded in the AVCHD format is being played, the video may be paused for a few seconds at portions spliced, due to deletion or editing.

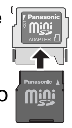
7.7.3. SD Cards

This chart shows the different type of cards recorded with Panasonic High Definition Video Camera or personal computers, etc. that you can use.

Type of media	Features	Indicated as
SD Memory Card * **(from 8 MB to 2 GB)** **SDHC Memory Card** **(from 4 GB to 16 GB)**	● JPEG format ● AVCHD format	JPEG AVCHD

* Including miniSD Card and microS Card

- When using from 4 GB to 16 GB SD cards, only SD cards that display the SDHC logo can be used.
- This unit is compatible with SD Memory Cards that meet SD Card Specifications FAT12 and FAT16 formats, as well as SDHC Memory Cards in FAT32 format.
- In these operating instructions, the cards shown in the table are comprehensively called SD cards.



- A miniSD Card and a microSD Card must be used with the attached adaptor that comes with the card.
- Useable memory is slightly less than the card capacity.
- If the SD card is formatted on a PC, you may not be able to use it on this unit. In this case, format the card on this unit.
- We recommend using a Panasonic SD card.
- Keep the Memory Card out of reach of children to prevent swallowing.
- When a card recorded in the AVCHD format is being played, the video may be paused for a few seconds at portions spliced, due to deletion or edition.
- Switch teh write-protect switch to the "LOCK" position to protect the content from accidental erasure.

7.7.4. Regarding BD-Video

- Enjoy Final Standard Profile functions such as picture-in-picture. The various functions differ depending on the disc.
- When playing a set of two or more BD-Video discs, the menu screen may continue to display even if the disc has been ejected.
- Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio and DTS-HD Resolution Audio are output as Dolby Digital when "BD-Video Secondary Audio" is set to "On".

7.7.5. Note about using a DualDisc

The digital audio content side of DualDisc does not meet the technical specifications of the Compact Disc Digital Audio (CD-DA) format so play may not be possible.

7.7.6. Tips for making MP3/JPEG Discs

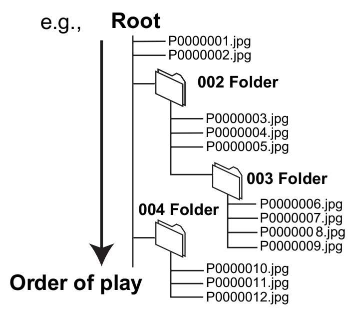
File format	MP3	JPEG
Playable media	CD-R/RW [*1]	CD-R/RW [*1], DVD-RAM [*2], BD-RE [*3], SD card
Extension	Files must have the extension ".mp3" or ".MP3".	Files must have the extension .jpg or .JPG .
Picture resolution	—	between 34k 34 and 5120k 3840 pixels (sub sampling is 4:2:2 or 4:2:0)
Bit rates	32 kbps to 320 kbps	—
Sampling frequency	44.1 kHz/48 kHz	—
Reference	ID3 tags: version 1, 2.2, 2.3, 2.4 ID3 is a tag embedded in MP3 track to provide information about the track. This unit supports the versions listed above but only titles and the names of artists can be displayed. ● If there is a large amount of still picture data etc. within a MP3 file, play may not be possible.	● MOTION JPEG: not supported ● SD card: JPEG conforming DCF [*4] (Design rule for Camera File system) Thawing Time: approx. 2 sec. (7M pixels)
	● English alphabet and Arabic numerals are displayed correctly. Other characters may not be displayed correctly. ● The display order on this unit may differ from how the order is displayed on a computer. ● Depending on how you create the media (writing software), files and folders may not play in the order you numbered them. ● This unit is not compatible with packet-write format. ● Depending on the recording conditions, the media may not play. ● Operation may take time to complete when there are many files and/or folders and some files may not display or be playable.	

[*1] ISO9660 level 1 or 2 (except for extended formats), Joliet
This unit is compatible with multi-session.
This unit is not compatible with packet writing.
[*2] Discs must conform to UDF 2.0.
[*3] Discs must conform to UDF 2.5.
[*4] Design rule for Camera File system: unified standard established by Japan Electronics and Information Technology Industries Association (JEITA).

Structure of MP3 and still pictures (JPEG) folders
You can play MP3 and still pictures (JPEG) with this unit by making folders on disc as shown (→right).
● Folder structure created on a DVD-RAM, BD-RE or an SD card is not displayed.

MP3 files and folders in CD-R/RW
Prefix with 3-digit numbers in the order you want to play them.

Still pictures (JPEG) in CD-R/RW
Files inside a folder are displayed in the order they were updated or taken.
When the highest level folders are DCIM folders, they are displayed first on the tree.



7.7.7. Discs that cannot be played

- BD-Video discs recorded at a rate of 50 frame per second
- BD-RE with the cartridge
- DVD-RAM that cannot be removed from their cartridges
- 2.6 GB and 5.2 GB DVD-RAM
- 3.95 GB and 4.7 GB DVD-R for Authoring
- Version 1.0 of DVD-RW
- +R 8 cm (3z), DVD-ROM, CD-ROM, CDV, SACD, Photo CD, MV-Disc and PD
- DVD-Audio
- Video CD and SVCD
- WMA discs
- DivX discs
- PAL discs
- HD DVD
- Other discs that are not specifically supported

8 Operation Instructions

8.1. Taking out the Disc from BD/DVD Drive Unit when Disc cannot be ejected by OPEN/CLOSE button

8.1.1. Forcible Disc Eject

8.1.1.1. When the power can be turned off.

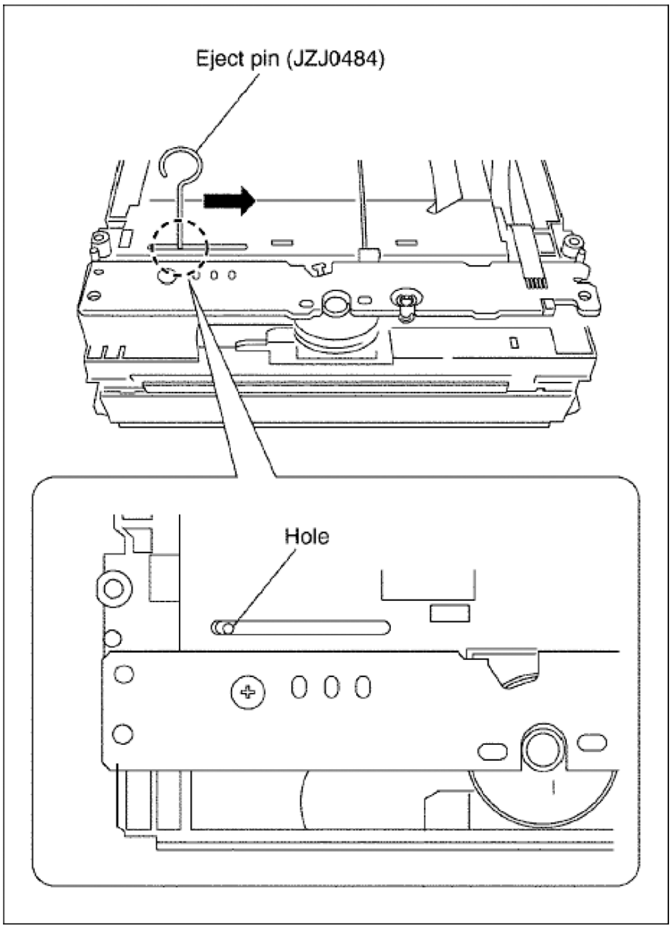
1. Turn off the power and press [SKIP REV] and [PLAY] keys on the front panel simultaneously for 5 seconds.

8.1.1.2. When the power can not be turned off.

1. Press [POWER] key on the front panel for over 10 seconds to turn off the power forcibly, and press [SKIP FWD] and [PAUSE] key on the front panel simultaneously for 5 seconds.

8.1.2. When the Forcible Disc Eject can not be done.

1. Turn off the power and pull out AC cord.
2. Remove the Top Cover and BD/DVD Drive.
3. Insert Eject Pin (JZJ0484) into the hole on the bottom of BD/DVD Drive and slide the Eject Pin in the direction of the arrow to eject tray slightly.



9 Service Mode

9.1. Self-Diagnosis and Special Mode Setting

Self-Diagnosis Function provides information for error to service personnel by Self-Diagnosis Display when any error has occurred.

U, H** and F** are stored in my memory and held.**

- You can check latest error code by transmitting [0] [1] of Remote Control in Service Mode.

  Automatic Display on FL will be cancelled when the power is turned off or AC input is turned off during self-diagnosis display is ON.

9.1.1. Error Code Table 1

Error Code	Diagnosis contents	Description	Monitor Display	Automatic FL display
U30	Remote control code error	Display appears when main unit and remote controller codes are not matched.	No display	SET * * is remote controller code of the main unit. Display for 5 seconds.
U59	Abnormal inner temperature detected	Display appears when the drive temperature exceeds 70 C. The power is turned off forcibly. For 30 minutes after this, all key entries are disabled. (Fan motor operates at the highest speed for the first 5 minutes. For the remaining 25 minutes, fan motor is also stopped.) The event is saved in memory as well.	No display	U59 U59 is displayed for 30 minutes.
U71	HDMI incompatible error (HDCP incompatible)	Display this error when the equipment (compatible with DVI such as TV, amplifier etc.) connected to the unit by HDMI is incompatible with HDCP. *HDCP=High-bandwidth Digital Content Protection	No display	U71
U72	HDMI connection error (communication error)	This error is displayed when there are any communication problems with the unit and the equipments (TV, amplifier etc.) connected to the unit by HDMI. (or when there is a problem with the HDMI cable)	No display	U72 U72 display disappears when error has been solved by Power OFF/ON of connecting equipment or by inserting/removing of HDMI cable.
U73	HDMI connection error (authentication error)	when authentication error occurs while the equipments (TV, amplifier etc.) are connected by HDMI. (or when there is a problem with the HDMI cable)	No display	U73 U73 display disappears when error has been solved by Power OFF/ON of connecting equipment or by inserting/removing of HDMI cable.
F99	Hang-up	Displayed when communication error has occurred between Main microprocessor (MV2-PLUS (IC60009)) and Timer microprocessor (IC7501).	No display	F99 Displayed is left until the [POWER] key is pressed.
H19	Inoperative fan motor	When inoperative fan motor is detected after powered on, the power is turned off automatically. The event is saved in memory.	No display	No display
F00	No error information	Initial setting for error code in memory (Error code Initialization is possible with error code initialization and main unit initialization.)	No display	No display
F34	Initialization error when main microprocessor is started up for program recording	When initialization error is detected after starting up main microprocessor MV2-PLUS (IC60009), the power is turned off automatically. The event is saved in memory.	No display	No display
F58	Drive hardware error	When drive unit error is detected, the event is saved in memory.	No display	No display
UNSUP-PORT	Unsupported disc error	*An unsupported format disc was played, although the drive starts normally. *The data format is not supported, although the media type is supported. *Exceptionally in case of the disc is dirty.	**This disc is incompatible.**	UNSUP ↓ PORT Display for 5 seconds.
NO READ	Disc read error	*A disc is flawed or dirty. *A poor quality failed to start. *The track information could not be read.	**Cannot rea d. Please check the disc.**	NOREAD
HARD ERR	Drive error	The drive detected a hard error.	**DVD drive** error.	Display for 5 seconds. HARD ↓ ERR

9.1.2. Error Code Table 2

Error Code	Diagnosis contents	Description	Monitor Display	Automatic FL display
IR ERR	IR communication error	[IR ERR] is displayed when communication between Timer microprocessor and IR micro-processor fails.	No display	IR ERR
SELF CHECK	Restoration operation	Since the power cord fell out during a power failure or operation, it is under restoration operation. *It will OK, if a display disappears automatically. If a display does not disappear, there is the possibility that defective Digital P.C.B. / DVD drive.	No display	SELF ↓ CHECK
PLEASE WAIT	Unit is in termination process	Unit is in termination process now. BYE is displayed and power will be turned off.	No display	PLEASE ↓ WAIT
UNFOR-MAT	Unformatted disc error	You have inserted an unformatted DVD-RAM or DVD-RW that is unformatted or recorded on other equipment.	The disc is not formatted properly.	UNFOR ↓ MAT
No PLAY	When there is a viewing restriction on a BD-Video or DVD-Video.	Rating password is set.	No display	No PLAY

9.1.3. Power Supply & Digital Amplifier Error Code Table

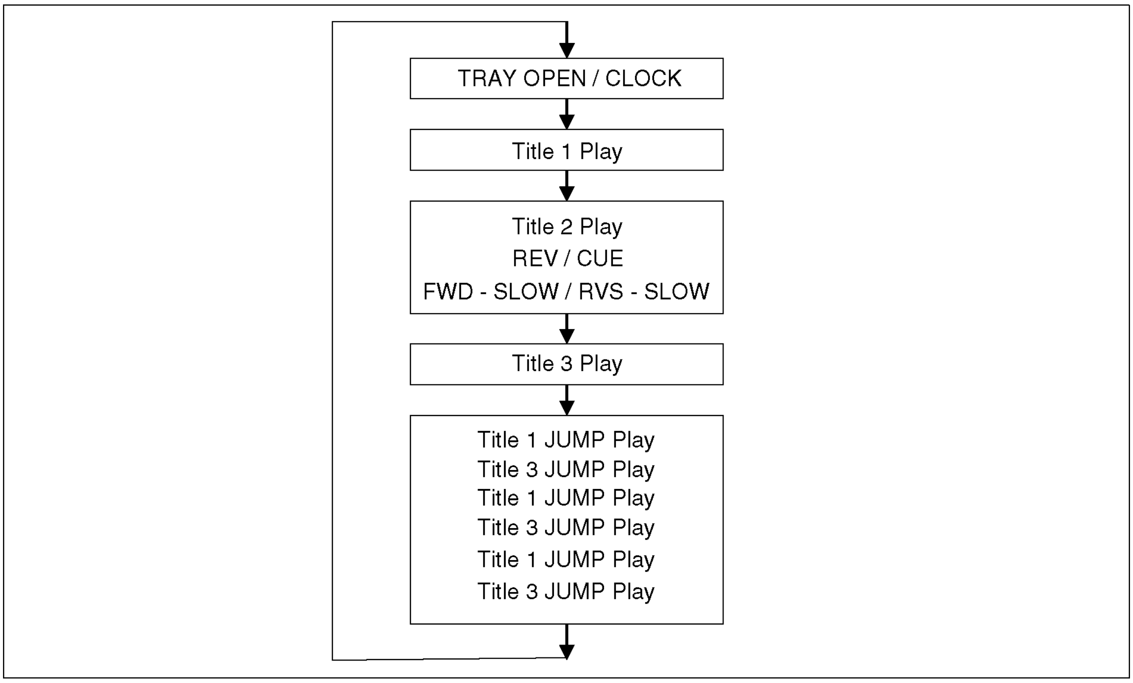
Error Code	Diagnosis Contents	Description of error	Automatic FL Display	Remarks
F61	The abnormalities in an output or power supply circuit of POWER AMP	In normal operation, when DCDET2 goes to "L" (Low) (Not during POWER OFF condition), F61 appears on FLDisplay for 1 second and PCONT goes to "L" (Low).This is due to speaker output has DC voltage or fan is not working.	F61	Press [■STOP] on main unit for next error.
F76	Abnormality in the output voltage of stabilized power supply	In normal operation when DCDET1 is detected "L" (Low) for two consecutive times, F76 is displayed on FL for 1 second and after that PCONT will be turned to "L" (Low). This is due to any of the DC voltages (+9V, +7V, -7V, +5V, +5.3V etc.) C22 not available.	F76	Press [■STOP] on main unit for next error.
H19	Fan Module	Fan Module is not operating properly	H19	Press [■STOP] on main unit for next error.

9.2. Special Mode Setting

9.2.1. Service Mode Table 1

Item		FL display	Key operation
Mode name	Description		Front Key
Initialize Mode	*All the main unit's parameters are initialized.	INITIALIZE	Press [STOP], [SKIP FWD] and [OPEN/CLOSE] keys simultaneously for five seconds when power is off.
Rating password	The audiovisual level setting password is initialized to Level 8.	INIT	Open the tray, and press [SKIP REV] and [PLAY] simultaneously for 5 seconds.
Service Mode	Setting every kind of modes for servicing. *Details are described in **9.3.1. Service Mode at a glance**.	SERV	When the power is off, press [SKIP FWD], [OPEN/CLOSE] and [PLAY] keys simult aneously for 5 seconds.
BD-ROM history cleaning	< Persistent Storage> of BD-ROM standard is cleaned. Screen display: [The player's history data has been cleared] is displayed for five seconds.	****** Same display as before execution.	When disc is not in tray. press [STOP] and [POWER] keys simultaneously for 5 seconds.
Forced disc eject	Removing a disc that cannot be ejected. The tray will open and unit will shift to P-off mode. While Demonstration Lock is being set, this Forced disc eject function is not accepted.	The display before execution leaves. ******	When the power is off, press [SKIP REV] and [PLAY] keys simultan - eously for 5 seconds or more.
Forced power-off	When the power button is not effective while power is ON, turn off the power forcibly.	Display in P-off mode.	Press [POWER] key over than 10 seconds.
Aging	Perform sequence of modes as * Aging Description shown below continually.	Display following the mode.	When the power is ON, press [STOP], [POWER] and [OPEN/ CLOSE] simultaneously for over 5 seconds and less than 10 seconds. **NOTE1:** If Unit has not turned into Aging mode by operations shown above, execute TEST MODE once and re-execute operation shown above. (*All the main unit s parameters include tuner are initialized by TEST mode.) **NOTE2:** If the unit has hung-up because of pressing keys for over 10 seconds, once turn off the power, and re-execute this command. *When releasing Aging mode, press [POWER] key over 10 seconds.

Aging Contents (Example):



9.2.2. Service Mode Table 2

Item		FL display	Key operation
Mode name	Description		Front Key
Demonstration lock/unlock	Ejection of the disc is prohibited. The lock setting is effective until unlocking the tray and not released by Main unit initialization of service mode.	*When lock the tray. LOCK LOCK is displayed for 3 seconds.	When the power is on, press [SKIP FWD] and [OPEN/CLOSE] keys simultaneously for 5 seconds. **Note:** When a disc is not in tray, this setting is not effective.
		*When unlock the tray. UNLOCK UNLOCK is displayed for 3 seconds.	When the power is on, press [SKIP FWD] and [OPEN/CLOSE] keys simultaneously for 5 seconds.
		*When press OPEN/CLOSE key while the tray being locked. LOCK Display LOCK for 3 seconds.	Press [OPEN/CLOSE] key while the tray is being locked.
Progressive initialization	The progressive setting is initialized to Interlace.	The display before execution leaves. ******	When the power is on (SS mode), press [STOP] and [PLAY] simultaneously for 5 seconds.

9.3. Service Mode at glance

Service mode setting: While the power is off, press [SKIP FWD], [PLAY] and [OPEN / CLOSE] simultaneously for five second.

9.3.1. Service Mode Table 1

Item		FL display	Key operation
Mode name	Description		(Remote controller key)
Release Items	Item of Service Mode executing is cancelled.	SERV	Press [0] [0] or [Return] in service mode.
Error Code Display	Last Error Code of U/H/F held by Timer is displayed on FL. *Details are described in **9.1.1. Self-Diagnosis Functions.**	♣□□ *♣ shows U/H/F. □□ shows number. If any error history dose not exist, [F00] is displayed.	Press [0] [1] in service mode
ROM Version Display	1. Region code (displayed for 5 sec.) 2. Main firm version (displayed for 5 sec.) 3. Timer firm version (displayed for 5 sec.) 4. Drive firm version (displayed for 5 sec.) 5. ROM correction version (left displayed)	1. NO$% $: Region of DVD (Example: 1,2.....) %: Region of BD (Example: A,B.....) 2. **** 3. **** 4. **** 5. *** * are version displays.	Press [0] [2] in service mode
Drive check	Simple quality of BD/DVD drive.	When BD/DVD drive is OK DRV OK When BD/DVD drive is NG DRV NG *If the date of the present or the trouble occurred time is incorrect, it may be not able to judge correctly.	Press [3] [8] in service mode.

9.3.2. Service Mode Table 2

Item		FL display	Key operation
Mode name	Description		(Remote controller key)
Laser Used Time Indication	Check laser used time (hours) of drive.	****** (******) is the used time display in hour. Laser used time of BD/DVD/CD in Playback/Recording mode is Counted. 1. Blu-ray Playback: BP 0 2. Blu-ray Recording: BR 0 3. DVD Playback: DP9999 4. DVD Recording: DR 0 5. CD: CD 0	Press [4] [1] in service mode.

9.3.3. Service Mode Table 3

Item		FL display	Key operation
Mode name	Description		(Remote controller key)
BD/DVD drive last error	BD/DVD drive error code display.	1. Error Number is displayed for 5 seconds. NO **** 2. Time when the error has occurred is display for 5 seconds. DDhhmm DD : Day hh : Hour mm : Minute 3. Last drive error (1/2) is displayed for 5 seconds. ****** 00 : Bad disc 03 : Bad disc 04 : Bad disc or drive malfunction 4. Last drive error (2/2) is displayed for five seconds. ****** 5. Error occurring disc type is displayed for 5 seconds. DVD-RW: DVDRW CD-R: CDR CD-RW: CDRW DVD+R: DVDPR DVD+RW: DVDPRW BD-ROM: BDROM	Press [4] [2] in service mode.

9.3.4. Service Mode Table 4

<table>
<tr><th colspan="2">Item</th><th rowspan="2">FL display</th><th>Key operation</th></tr>
<tr><th>Mode name</th><th>Description</th><th>(Remote controller key)</th></tr>
<tr><td></td><td></td><td>BD-RE
BDRE

BD-R
BDR

DVD ROM
DVD

CD
CD

RAM (2.6GB)
RAM26

RAM (4.7GB)
RAM47

DVD-R
DVDR

Others
MEDIA*
* is displayed the respoced value from RTSC.</td><td></td></tr>
<tr><td></td><td></td><td>6. Disc maker ID is displayed for 5 seconds.

******</td><td>In case that the maker cannot be identified, display is black out.</td></tr>
<tr><td></td><td></td><td>7. Factor of drive error (hexadecimal) occurring is left displayed.

**++□□

**: Error occurring operation code (This is not used)

++: Error occurring disc type<table><tr><td>0</td><td>DVD-ROM</td></tr><tr><td>1</td><td>CD</td></tr><tr><td>2</td><td>2.6GB DVD-RAM</td></tr><tr><td>3</td><td>4.7GB DVD-RAM</td></tr><tr><td>4</td><td>DVD-R</td></tr><tr><td>After 5</td><td>Others</td></tr></table></td><td></td></tr>
</table>

9.3.5. Service Mode Table 5

Item		FL display	Key operation
Mode name	Description		(Remote controller key)
		□□: Error occurring disc situation	

Display	Detail			
	Disc distinction	With or without Cartridge	Disc cart-ridge state	Size
00	OK	With	Not opened	12cm
10	OK	With	Not opened	8cm
20	OK	With	Opened	12cm
30	OK	With	Opened	8cm
40	OK	Without	Not opened	12cm
50	OK	Without	Not opened	8cm
60	OK	Without	Opened	12cm
70	OK	Without	Opened	8cm
80	NG	With	Not opened	12cm
90	NG	With	Not opened	8cm
A0	NG	With	Opened	12cm
B0	NG	With	Opened	8cm
C0	NG	Without	Not opened	12cm
D0	NG	Without	Not opened	8cm
E0	NG	Without	Opened	12cm
F0	NG	Without	Opened	8cm

Mode name	Description	FL display	Key operation (Remote controller key)
CEC (H) output	Check of the CEC terminal high output of HDMI.	When the check is OK CECHOK When the check is NG CECHNG	Press [5] [5] in service mode.
CEC (L) output	Check of the CEC terminal low output of HDMI.	When the check is OK CECLOK When the check is NG CECLNG	Press [5] [6] in service mode.
Tray OPEN/CLOSE Test	The DVD drive tray is opened and closed repeatedly.	****** * is number of open/close cycle times.	Press [9] [1] in service mode *When releasing this mode, press the [POWER] button of Remote Controller more than 10 seconds.
Delete the Laser Used Time	Laser used time stored in the memory of the unit is deleted.	CLR	Press [9] [5] in service mode.
Delete the Last Drive Error	Delete the Last Drive Error information stored on the DVD Drive.	CLR	Press [9] [6] in service mode.
Delete the Error History	Delete Error History information stored on the unit.	CLR	Press [9] [7] in service mode.
Error code initialization	Initialization of the last error code held by timer (Write in F00)	CLR	Press [9] [8] in service mode.
Initialize Service	Last Drive Error, Error history and Error Codes stored on the unit are initialized to factory setting.	CLR	Press [9] [9] in service mode.
Finishing service mode	Release Service Mode.	Display in STOP (SS) mode. ******	Press power button on the front panel or Remote controller in service mode.

9.4. Service Mode Table (Wireless - e.g. SH-FX67)

By pressing various button combinations on the player and remote control unit, you can activate the various service modes for checking.

9.4.1. Service Mode Table 1

Item		FL Display	Key Operation
Mode Name	Description		Front Key
ID Setting	To set the ID in the Tx & Rx. The system goes into "Pairing Mode". [P] will be displayed to indicate it is in "Pairing Mode". During this condition, the "ID set" button on the receiver unit can be pressed to pair the Tx & Rx. After 60 seconds, the FL display will return to its previous display. Note: Carry out pairing when Tx or Rx has been changed.	 Note : W2S or W4S will blink when a new transmitter card is inserted or when the Receiver module P.C.B.(Rx) had been changed. It will stopped when pairing is completed.	Press and hold [FAST FORWARD] button on the main unit, and [3] button on the remote control unit. Press the [⏻/I] on main unit or remote control.

9.4.2. Service Mode Table 2

Item		FL Display	Key Operation
Mode Name	Description		Front Key
RF Channel Selection Display	RF Channel 1 Display* FL Display sequence: Display 1→2→3	(Display 1) AUX (Display 2) RF CH 1 (Display 3) AUX	Main set is in AUX mode. Press and hold [STOP] button on the main unit, and [4] button on the remote control unit. After 2 seconds.
	RF Channel 2 Display* FL Display sequence: Display 1→2→3	(Display 1) AUX (Display 2) RF CH 2 (Display 3) AUX	Main set is in AUX mode. Press and hold [STOP] button on the main unit, and [5] button on the remote control unit. After 2 seconds.
	RF Channel 3 Display* FL Display sequence: Display 1→2→3	(Display 1) AUX (Display 2) RF CH 3 (Display 3) AUX	Main set is in AUX mode. Press and hold [STOP] button on the main unit, and [6] button on the remote control unit. After 2 seconds.
	Auto RF Channel Display* FL Display sequence: Display 1→2→3	(Display 1) AUX (Display 2) AUTO RF (Display 3) AUX	Main set is in AUX mode. Press and hold [STOP] button on the main unit, and [7] button on the remote control unit. After 2 seconds.

*Note: This mode is for purpose of disabling/enabling the frequency of automatic allocation and be able to select a fixed RF channel (channels 1, 2 or 3).

10 Assembling and Disassembling

"ATTENTION SERVICER"

Be careful when disassembling and servicing.

Some chassis components may have sharp edges.

Special Note:

1. **This section describes the disassembly procedures for all the major printed circuit boards and main components.**
2. **Before the disassembly process was carried out, do take special note that all safety precautions are to be carried out. (Ensure that no AC power supply is connected during disassembling.)**
3. **For assembly after operation checks or replacement, reverse the respective procedures.**
   Special reassembly procedures are described only when required.
4. **Do take note of the locators on each printed circuit board during reassembling procedures.**
5. **The Switch Regulator IC may have high temperature after prolonged use.**
6. **Use caution when removing the top cabinet and avoid touching heat sinks located in the unit.**

CAUTION: HOT!! PLEASE DO NOT TOUCH THE HEAT SINK

7. **Select items from the following index when checks or replacement are required.**

- Disassembly of Top Cabinet
- Disassembly of Rear Panel
- Disassembly of Front Panel
- Disassembly of BD/DVD Drive Unit
- Disassembly of Panel/ Headphone/ Power Button/ Open/Close P.C.B.
- Disassembly of SD P.C.B.
- Disassembly of Lid
- Disassembly of Ipod Cradle P.C.B.
- Disassembly of AC Inlet P.C.B.
- Disassembly of Main P.C.B.
- Disassembly of D-Amp P.C.B.
- Replacement of Digital Amp IC (IC5000)
- Disassembly of SMPS P.C.B.
- Replacement of Switch Regulator IC (IC5701)
- Replacement of Switch Regulator Diode (D5702)
- Replacement of Regulator Diode (D5801)
- Replacement of Regulator Diode (D5802)
- Replacement of Regulator Diode (D5803)
- Disassembly of Wireless Adapter P.C.B.
- Disassembly of DSP P.C.B.
- Disassembly of Digital P.C.B.

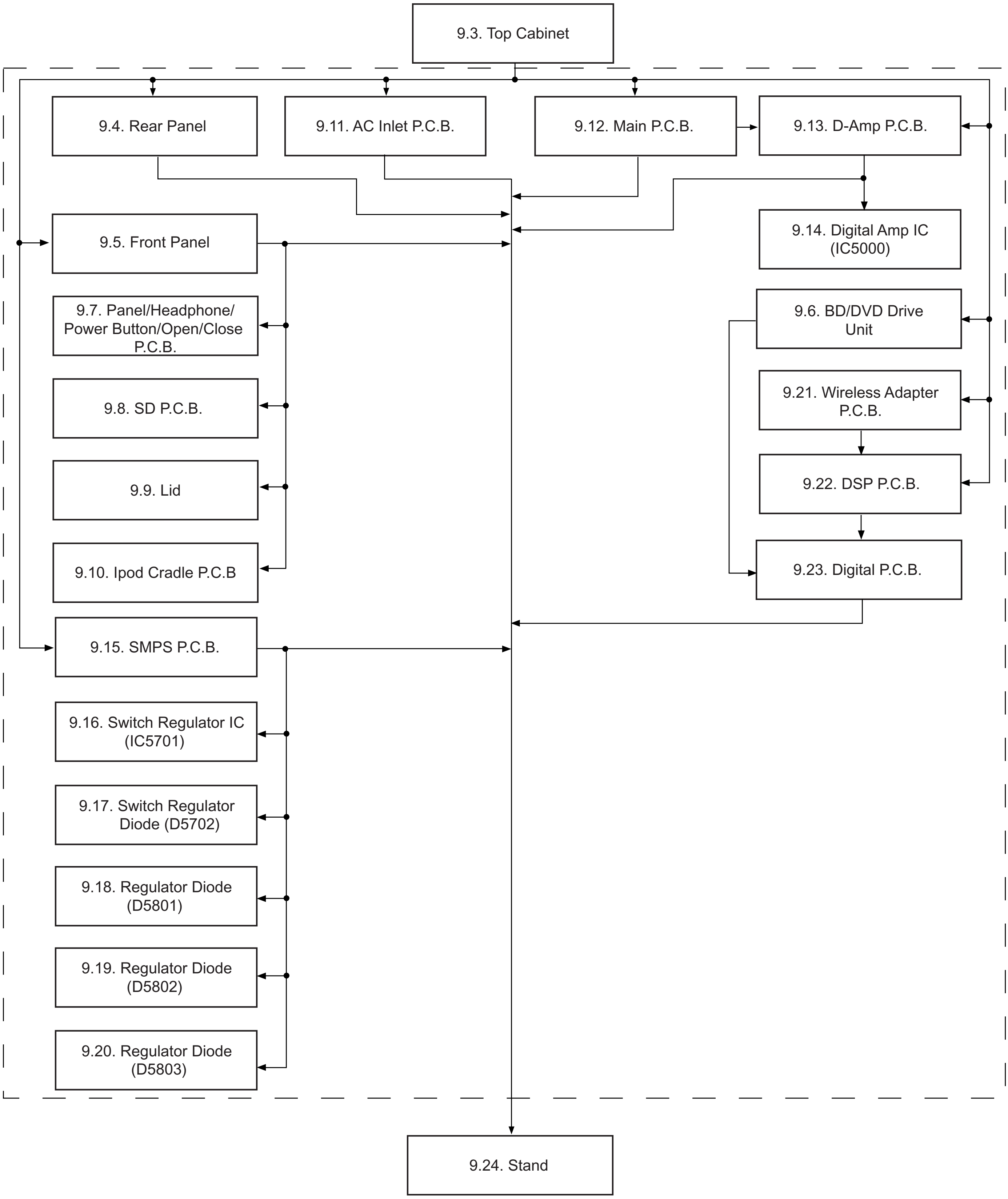
CAUTION NOTE:

Please use original screw and at correct locations.

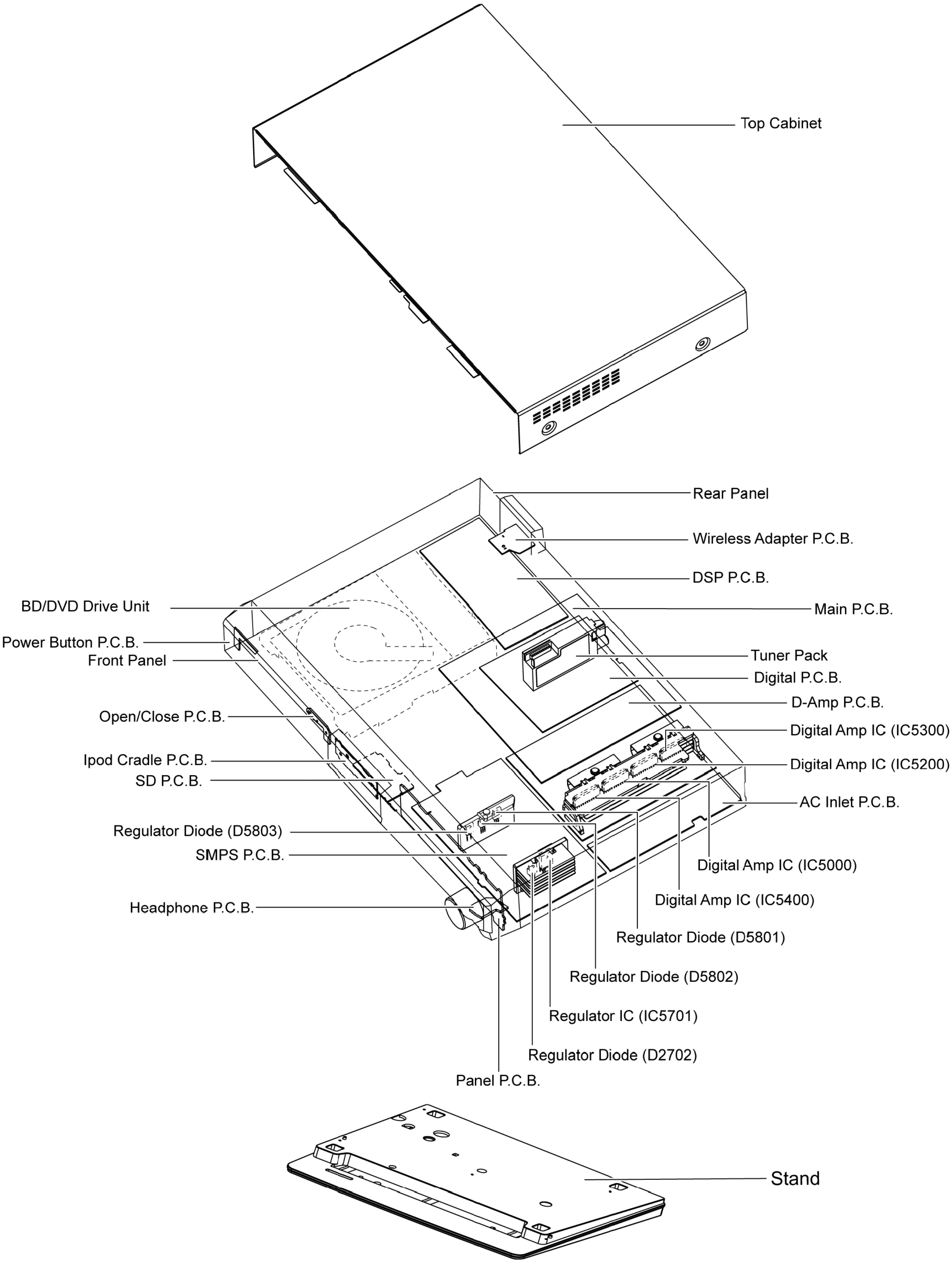
Below shown is part no. of different screw types used:

- a :RHD30007-K2J
- b :RHD30119-S
- c :XSN3+4FJ
- d :RHD30156
- e :RHD26046
- f :VHD1224-1
- g :RHD30111-3
- h :XTW3+8TFJ
- i :XTB3+10JFJ
- j :RHD26016-1L

10.1. Disassembly Flow Chart

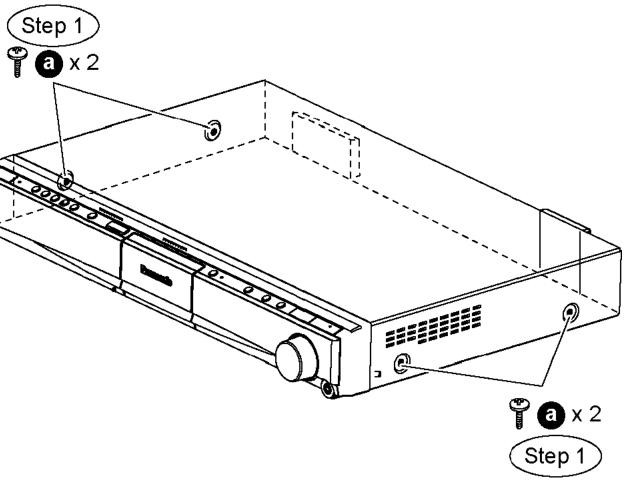


10.2. Main Components and P.C.B. Locations

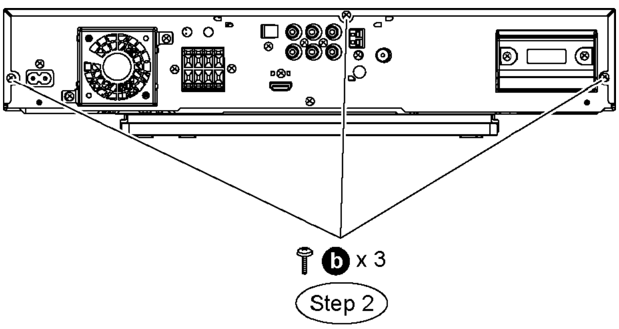


10.3. Disassembly of Top Cabinet

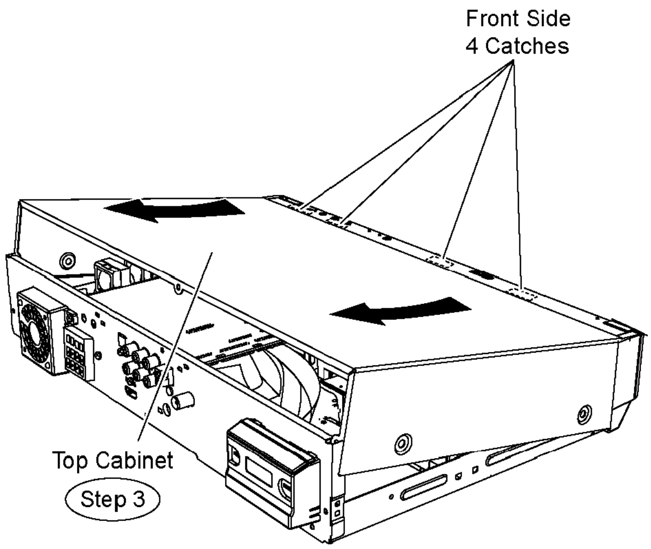
Step 1 Remove 4 screws at the side of the top cabinet.



Step 2 Remove 3 screws at the rear of the top cabinet.



Step 3 Lift up the back part of the top cabinet and remove it in the direction of arrows.



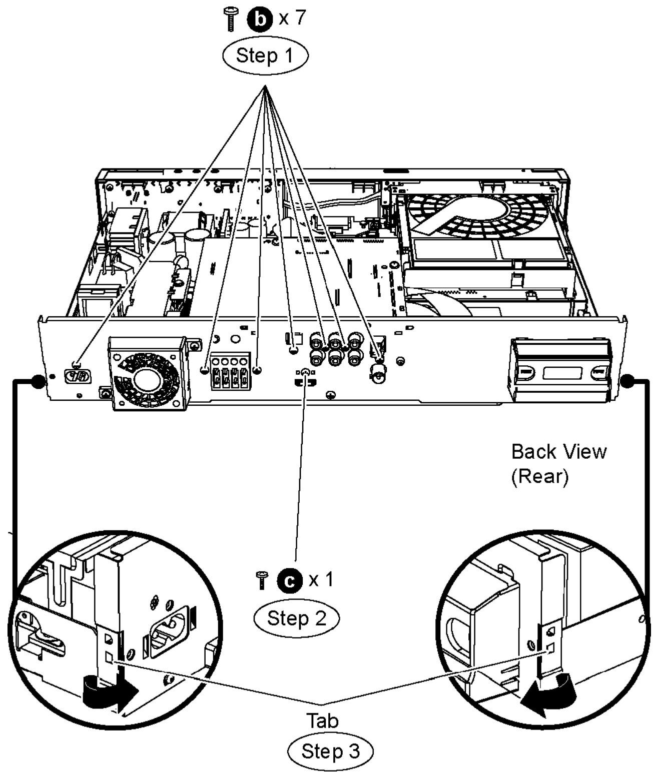
10.4. Disassembly of Rear Panel

- Follow (Step 1) to (Step 3) of Item 10.3.

Step 1 Remove 7 screws at the rear panel.

Step 2 Remove 1 screws at the rear panel.

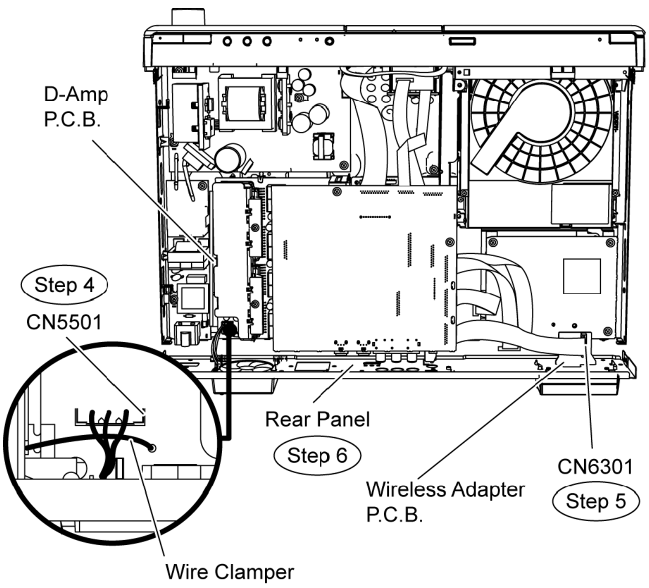
Step 3 Release the tab of each side of the rear panel in the direction of arrow.



Step 4 Remove the wire clamper to detach the fan unit connector (CN5501) on D-Amp P.C.B.

Step 5 Detach 19P FFC cable at the connector (CN6301) on Wireless Adapter P.C.B.

Step 6 Remove the rear panel.



10.5. Disassembly of Front Panel

- Follow (Step 1) to (Step 3) of Item 10.3.

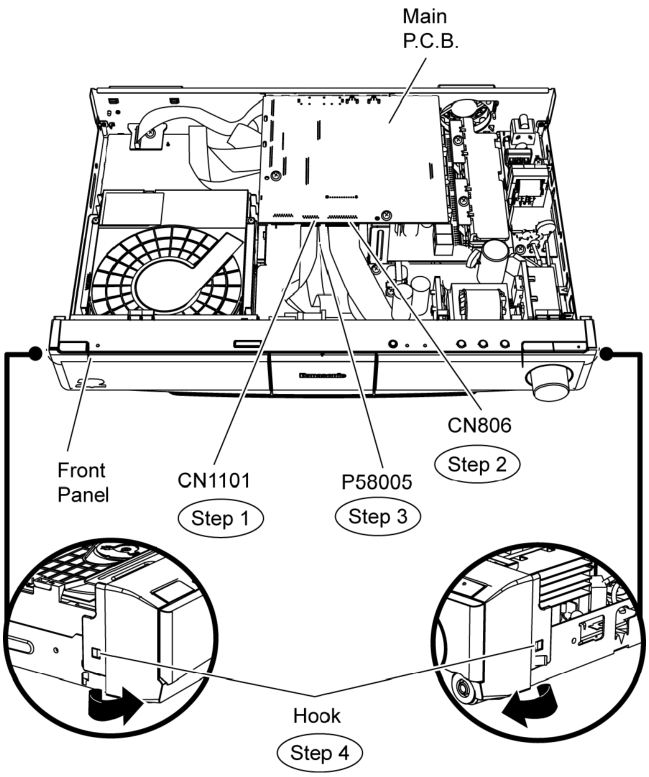
Step 1 Detach 14P FFC cable at the connector (CN1101) on Main P.C.B.

Step 2 Detach 24P FFC cable at the connector (CN806) on Main P.C.B.

Step 3 Detach 13P FFC cable at the connector (P58005) on

DVD Module P.C.B.

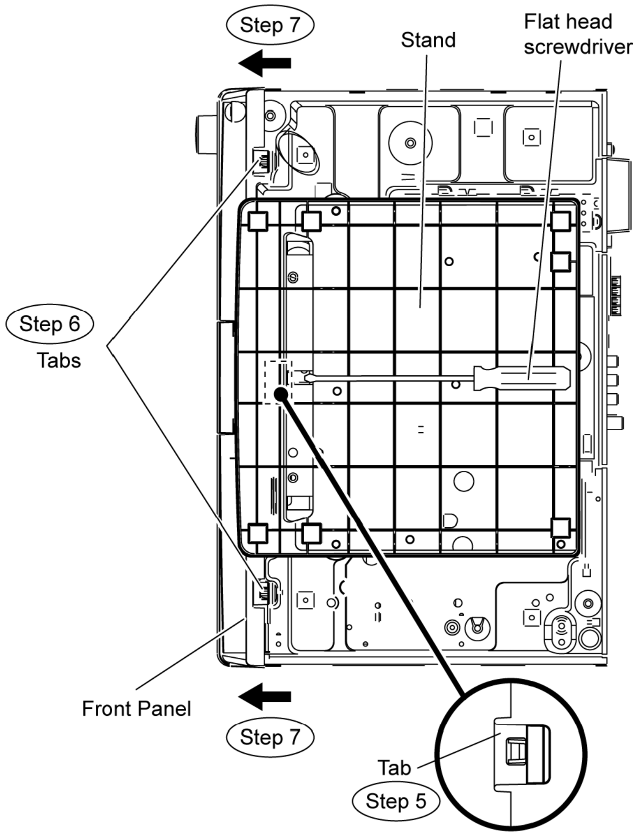
Step 4 Release the hook at left & right side of the front panel in the direction of arrow.



Step 5 Release the tab behind the stand at the bottom of the front panel by using flat head screwdriver.

Step 6 Release the tabs at the bottom of the front panel.

Step 7 Remove the front panel in the direction of arrow.



Caution: Do not attempt to exert strong force when detaching the front panel.

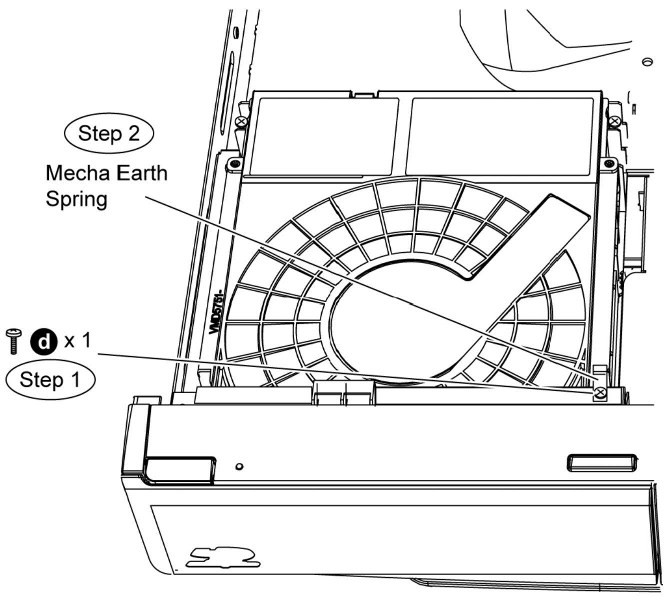
10.6. Disassembly of BD/DVD Drive Unit

- Follow (Step 1) to (Step 3) of Item 10.3.

- Disassembly of Mecha earth spring.

Step 1 Remove 1 screws from Mecha earth spring.

Step 2 Remove the Mecha earth spring.

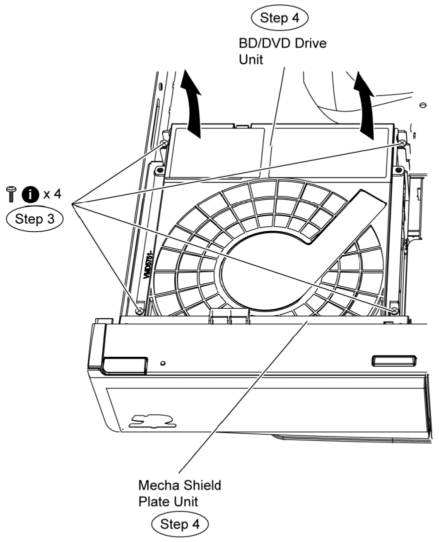


Caution Note: Keep the Mecha earth spring in safe place. Avoid denting it. Place it back during assembling.

Step 3 Remove 4 screws from BD/DVD Drive unit.

Step 4 Remove Mecha shield plate unit.

Step 5 Lift the BD/DVD Drive unit in the direction of arrow.

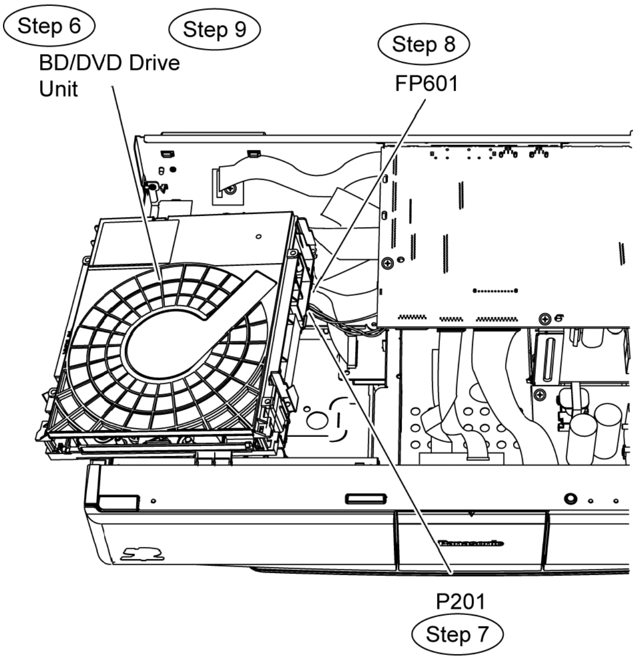


Step 6 Move aside BD/DVD Drive unit and position it according to the diagram show.

Step 7 Detach 4P FFC cable at the connector (P201) on BD/DVD Drive unit.

Step 8 Detach 40P FFC cable at the connector (FP601) on BD/DVD Drive unit

Step 9 Remove the BD/DVD Drive unit.

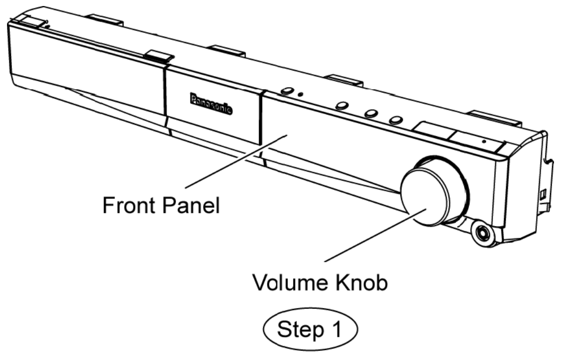


Caution Note: Keep the Mecha shield plate unit in safe place. Avoid denting it. Place it back during assembling.

10.7. Disassembly of Panel/ Headphone/ Power / Open/close P.C.B.

- Follow (Step 1) to (Step 3) of Item 10.3.
- Follow (Step 1) to (Step 7) of Item 10.5.

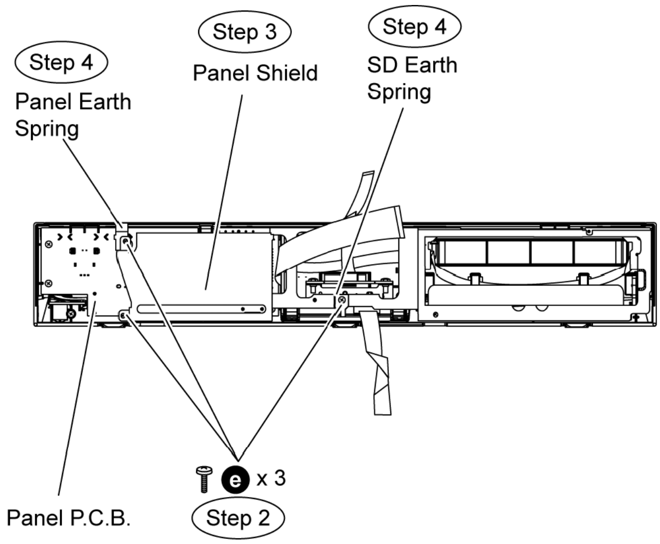
Step 1 Remove the volume knob.



Step 2 Remove 3 screws at panel shield.

Step 3 Remove panel shield.

Step 4 Remove the panel earth spring & SD earth spring



Step 5 Remove SD angle.

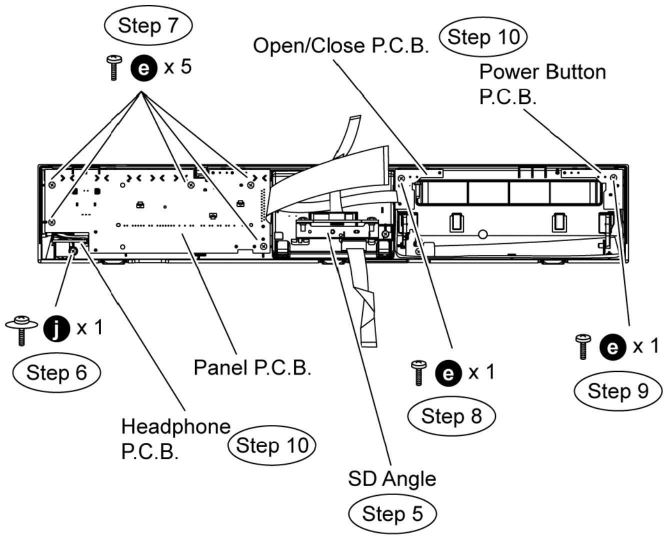
Step 6 Remove 1 screw on Headphone P.C.B.

Step 7 Remove 5 screws on Panel P.C.B.

Step 8 Remove 1 screws on Open/close P.C.B.

Step 9 Remove 1 screws on Power Button P.C.B.

Step 10 Remove Panel/ Headphone/ Power Button/ Open/close P.C.B.

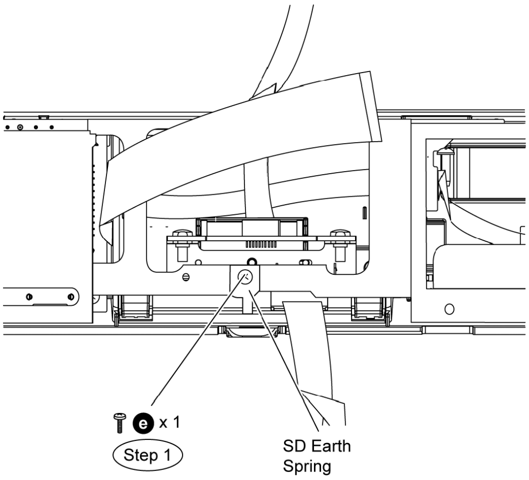


Caution: Keep the Panel earth spring in safe place. Avoid denting it. Place it back during assembling.

10.8. Disassembly of SD P.C.B.

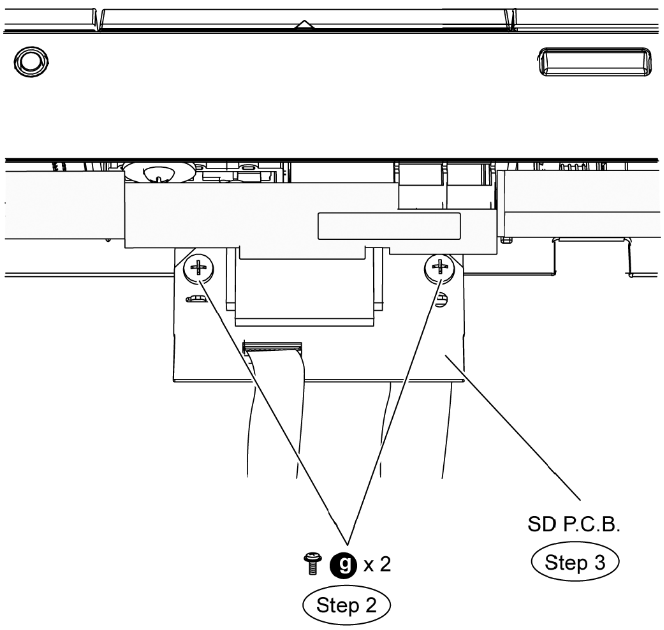
- Follow (Step 1) to (Step 3) of Item 10.3.

Step 1 Remove 1 screw at SD earth spring.



Step 2 Remove 2 screws on SD P.C.B.

Step 3 Remove SD P.C.B.



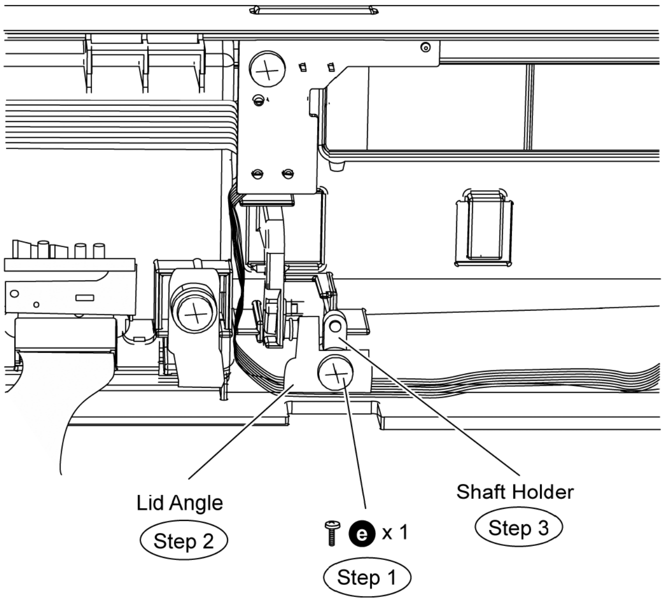
10.9. Disassembly of Lid

- Follow (Step 1) to (Step 3) of Item 10.3.
- Follow (Step 1) to (Step 7) of Item 10.5.
- Follow (Step 1) to (Step 4) of Item 10.7.

Step 1 Remove 1 screw from the Lid angle.

Step 2 Remove the Lid angle.

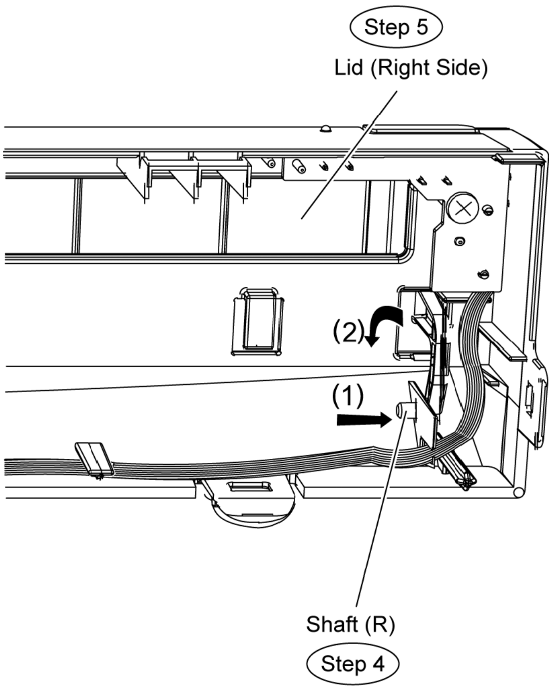
Step 3 Remove the shaft holder.



Caution Note: Keep the Lid angle and shaft holder in safe place. Avoid denting it. Place it back during assembling.

Step 4 Move the shaft (R) of the Lid in the direction of arrow (1)

Step 5 Remove the lid (Right Side) in the direction of arrow (2).

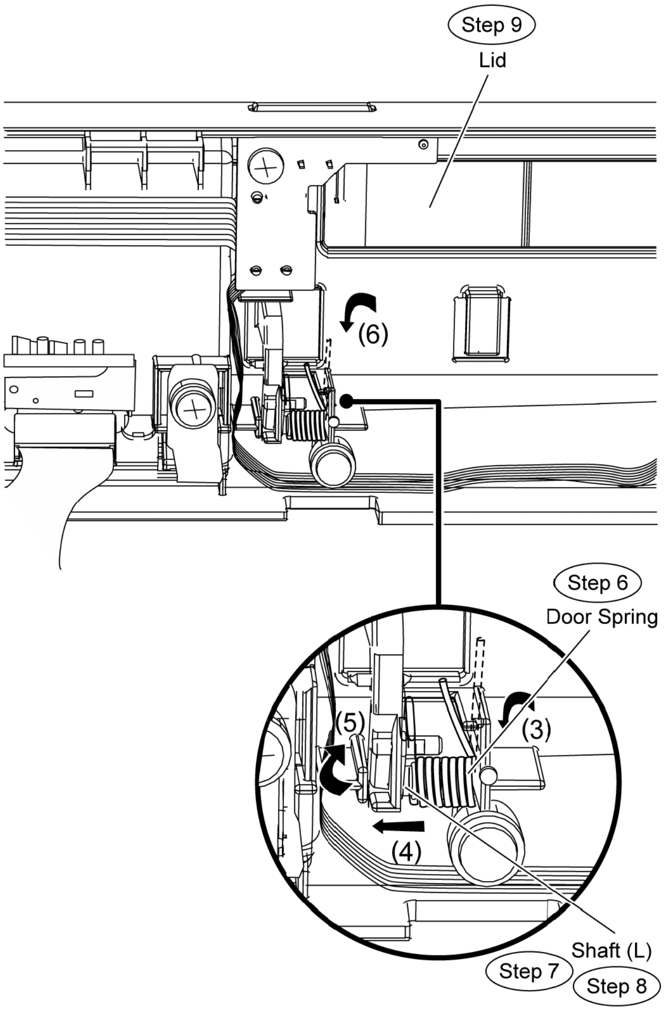


Step 6 Lift the door spring in the direction of arrow (3).

Step 7 Move the shaft (L) of the Lid in the direction of arrow (4).

Step 8 Move the shaft (L) of the Lid in the direction of arrow (5).

Step 9 Remove the DVD lid in the direction of arrow (9).

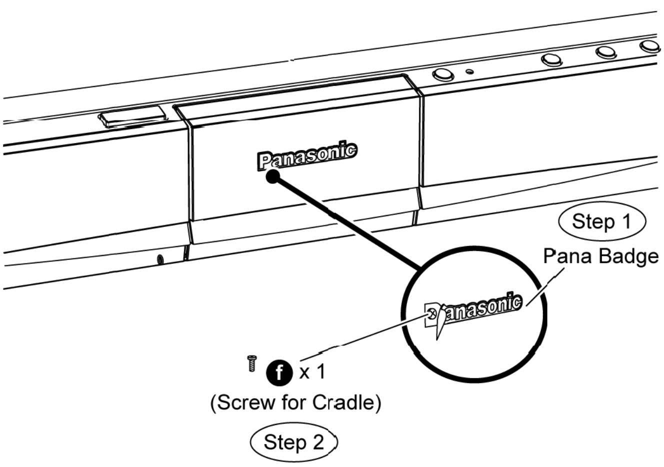


10.10. Disassembly of Ipod Cradle P.C.B.

- Follow (Step 1) to (Step 3) of Item 10.3.

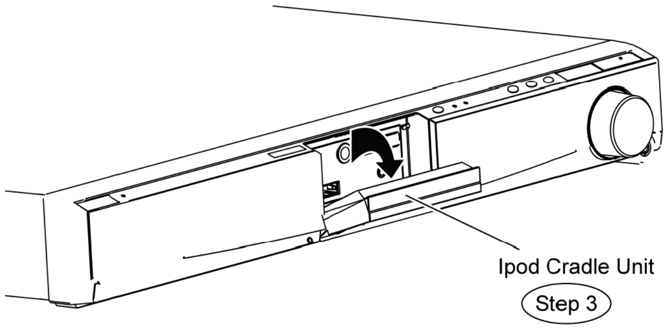
Step 1 Peel off the portion of the pana badge (paste type) with a pen knife.

Step 2 Remove the screw for cradle.



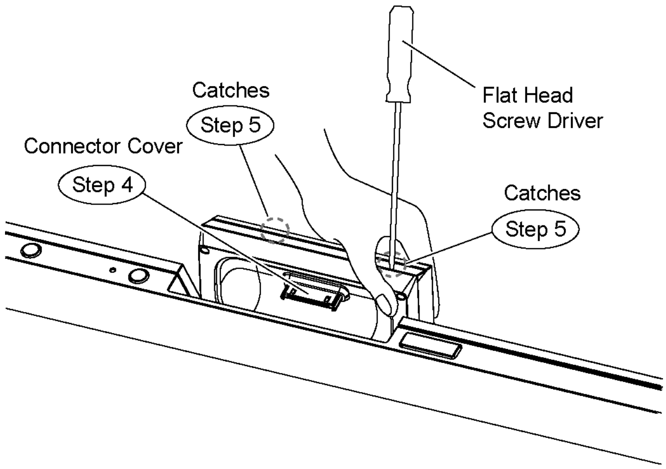
Caution Note: Keep the screw in safe place. Place it back during assembling.

Step 3 Flip the Ipod cradle unit for 45 degree as the direction of arrow.

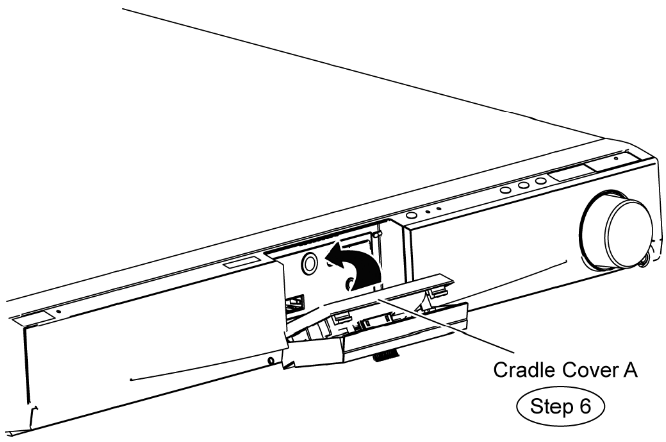


Step 4 Remove the connector cover.

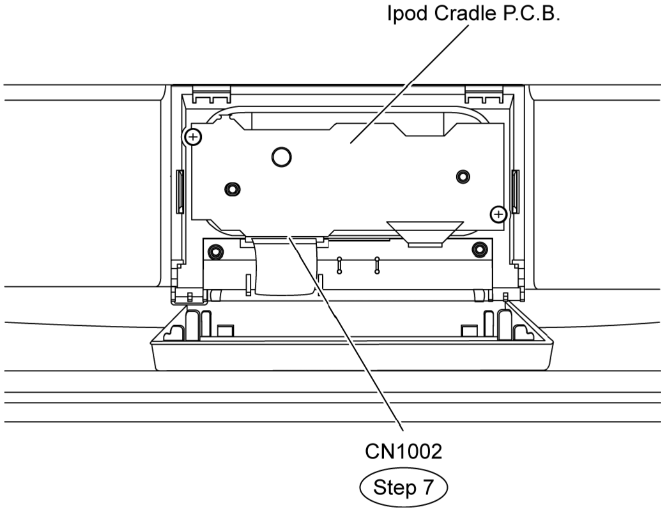
Step 5 Use a flat head screwdriver (0.5-0.7mm) to release the catches according to the diagram show.



Step 6 Remove cradle cover A as the direction of arrow.

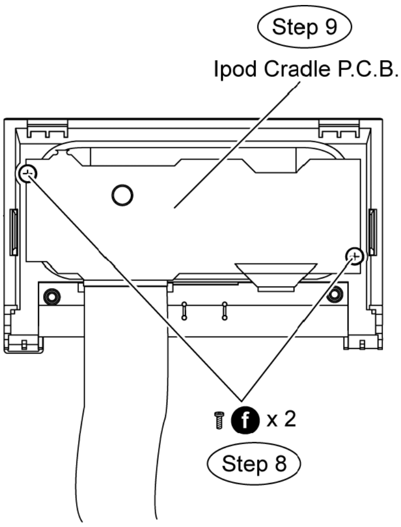


Step 7 Detach 14P FFC cable at the connector (CN1002) on Ipod cradle P.C.B.



Step 8 Remove 2 screws on the Ipod cradle P.C.B.

Step 9 Remove Ipod cradle P.C.B.

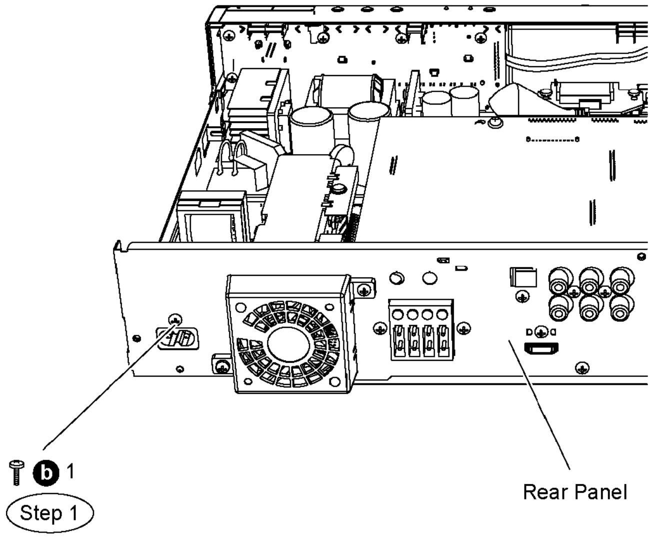


10.11. Disassembly of AC Inlet P.C.B.

- Follow (Step 1) to (Step 3) of Item 10.3.

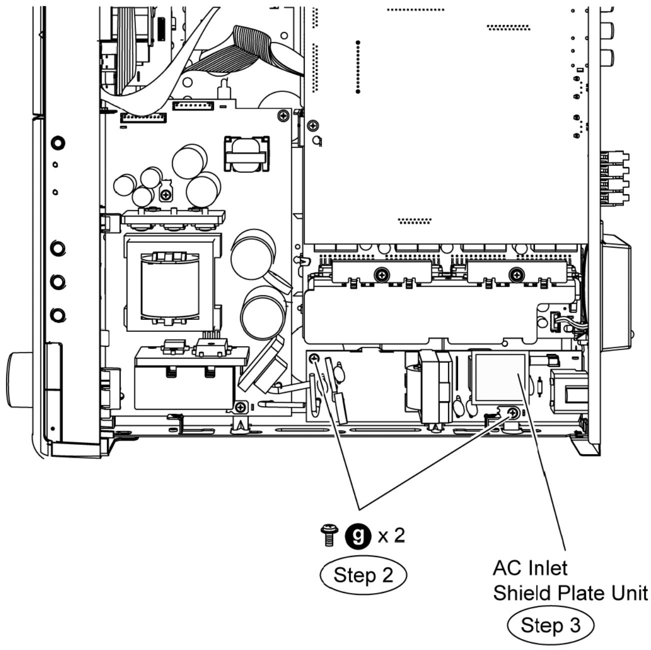
- Disassembly of AC Inlet Shield Plate Unit.

Step 1 Remove 1 screw at the rear panel.



Step 2 Remove 2 screws from the AC Inlet shield plate unit.

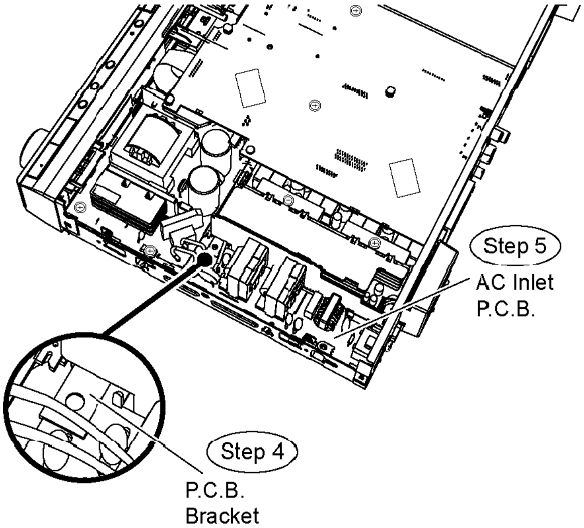
Step 3 Remove the AC Inlet shield plate unit.



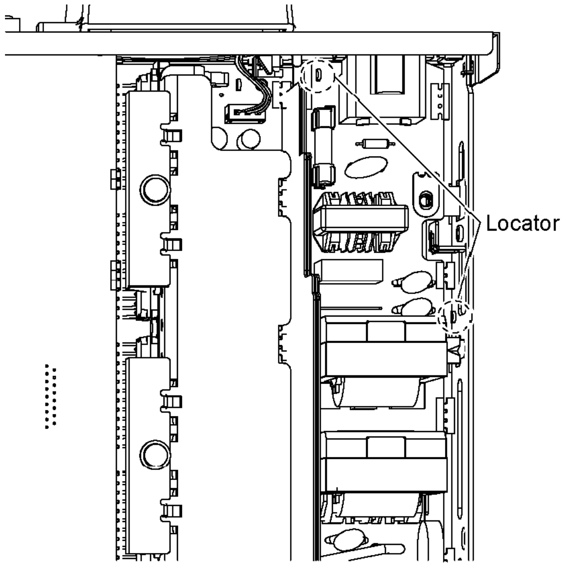
Step 4 Remove the P.C.B. bracket.

Caution Note: Keep the P.C.B. bracket unit in safe place. Avoid denting it. Place it back during assembling.

Step 5 Remove AC Inlet P.C.B.



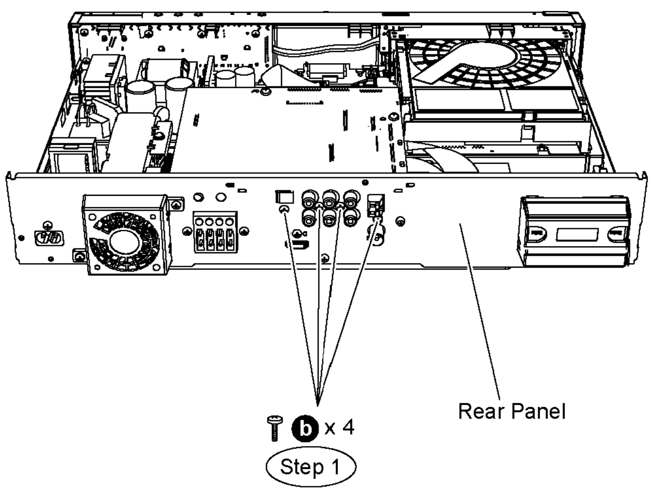
Special Note: During reassembling procedures, ensure the P.C.B. is seated properly at the locators.



10.12. Disassembly of Main P.C.B.

- Follow (Step 1) to (Step 3) of Item 10.3.

Step 1 Remove 4 screws at the rear panel.



Step 2 Remove 2 screws on Main P.C.B.

Step 3 Detach 19P FFC cable at the connector (CN802) on the Main P.C.B.

Step 4 Detach 24P FFC cable at the connector (CN501) on the Main P.C.B.

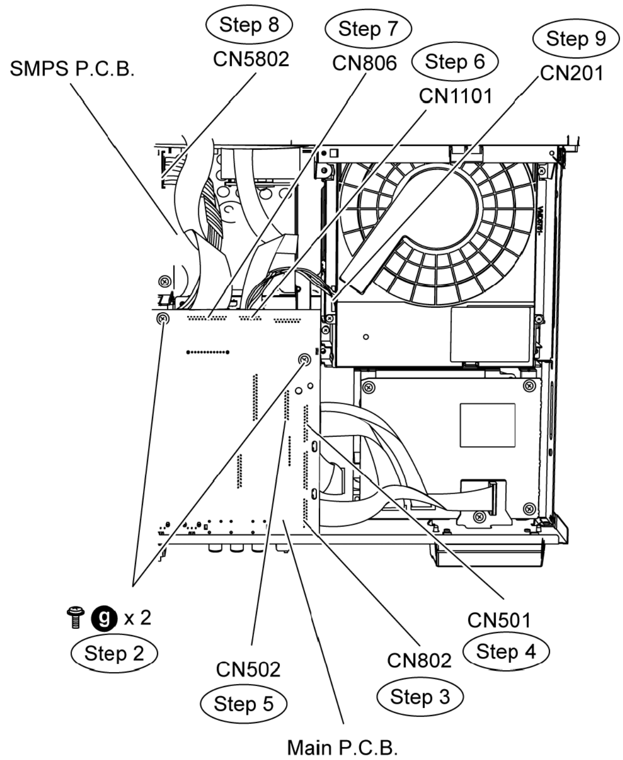
Step 5 Detach 20P FFC cable at the connector (CN502) on the Main P.C.B.

Step 6 Detach 14P FFC cable at the connector (CN1101) on the Main P.C.B.

Step 7 Detach 25P FFC cable at the connector (CN806) on the Main P.C.B.

Step 8 Detach 11P cable at the connector (CN5802) on the SMPS P.C.B.

Step 9 Detach 4P cable at the connector (P201) on the DVD P.C.B.



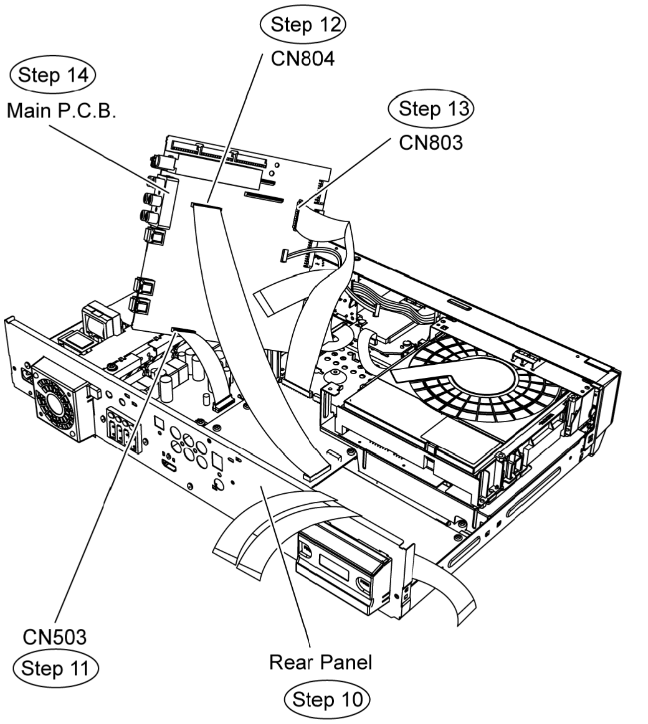
Step 10 Detach Main P.C.B. from the rear panel.

Step 11 Turn over Main P.C.B. to detach 17P FFC cable at the connector (CN503) on the Main P.C.B.

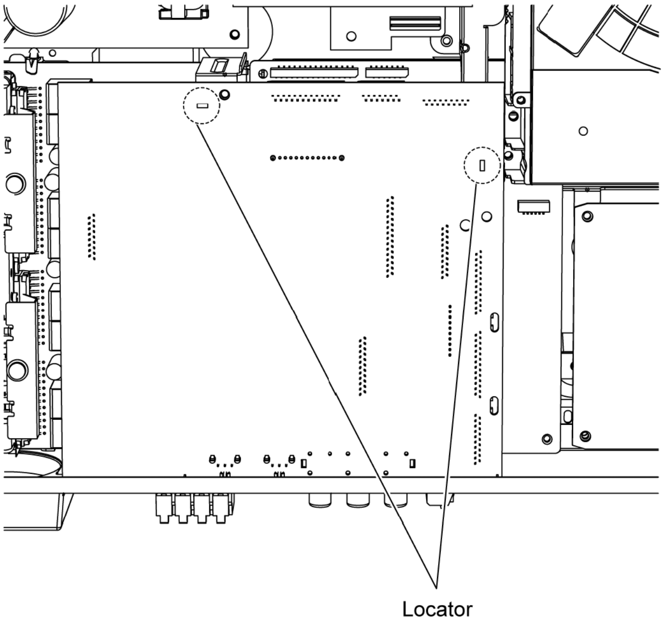
Step 12 Detach 22P FFC cable at the connector (CN804) on the Main P.C.B.

Step 13 Detach 30P FFC cable at the connector (CN803) on the Main P.C.B.

Step 14 Remove Main P.C.B.



Special Note: During reassembling procedures, ensure the P.C.B. is seated properly at the locators.



10.13. Disassembly of D-Amp P.C.B.

- Follow (Step 1) to (Step 3) of Item 10.3.
- Follow (Step 1) to (Step 4) of Item 10.11.
- Follow (Step 1) to (Step 11) of Item 10.12.

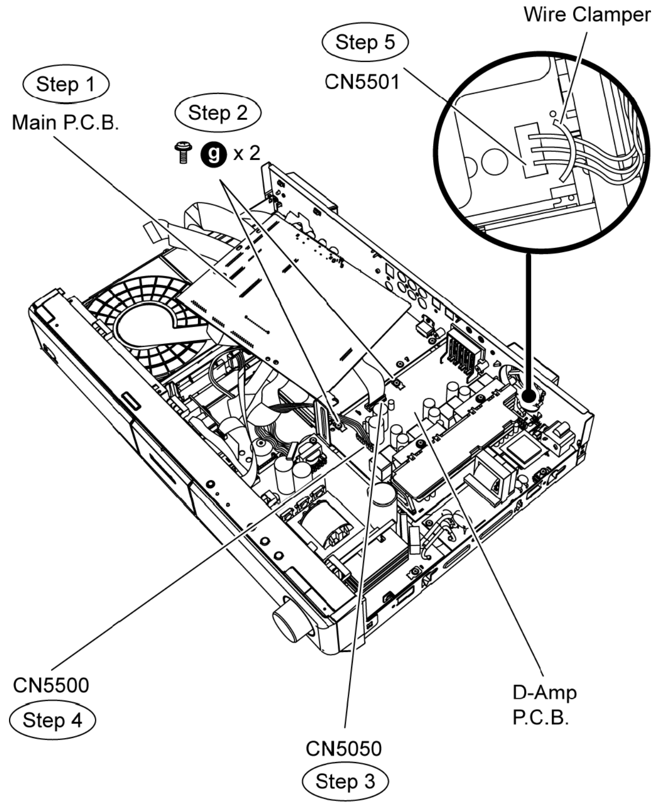
Step 1 Move aside Main P.C.B. and position it according to the diagram shown.

Step 2 Remove 2 screws on D-Amp P.C.B.

Step 3 Detach 17P cable at the connector (CN5050) on D-Amp P.C.B.

Step 4 Detach 8P cable at the connector (CN5500) on D-Amp P.C.B.

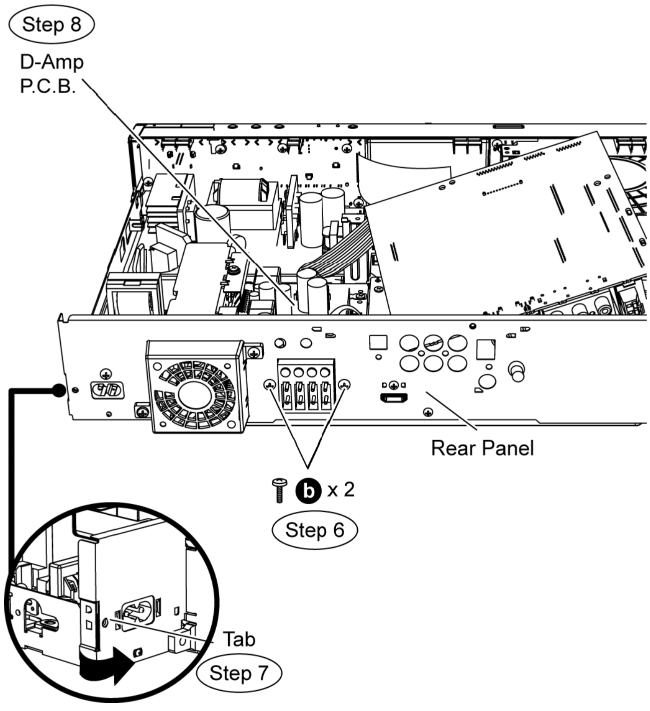
Step 5 Twist the wire clamper to detach 3P cable at the connector (CN5501) on D-Amp P.C.B.



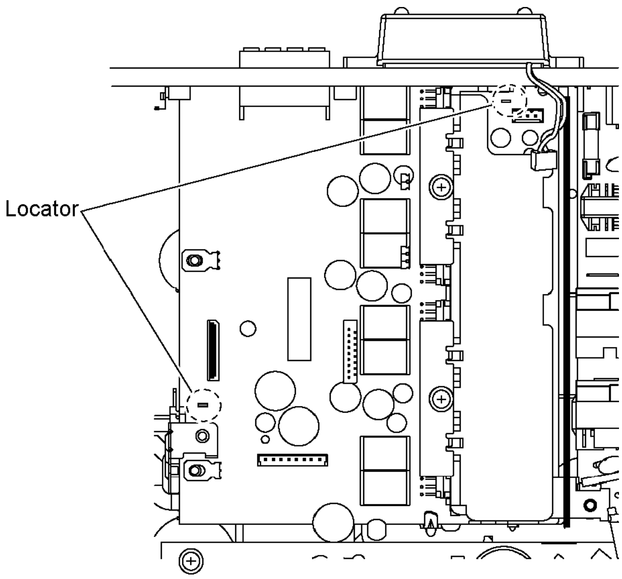
Step 6 Remove 2 screws at the rear panel.

Step 7 Release the tab of the rear panel in the direction of arrow.

Step 8 Remove D-Amp P.C.B.



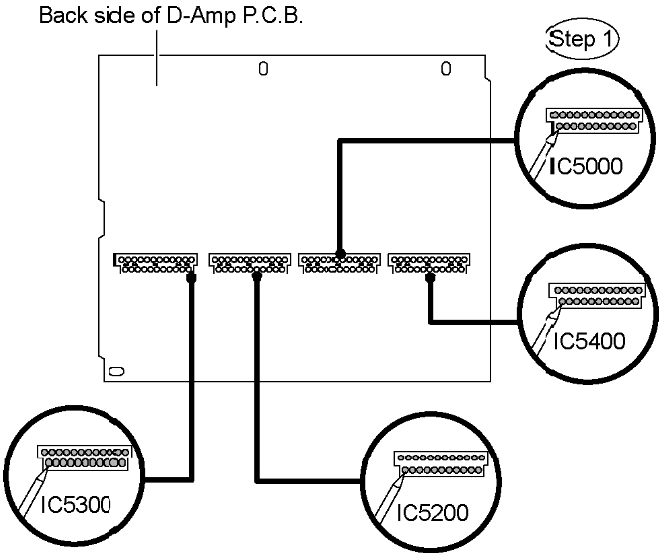
Special Note: During reassembling procedures, ensure the P.C.B. is seated properly at the locators.



10.14. Replacement of Digital Amp IC (IC5000)

- Follow (Step 1) to (Step 3) of Item 10.3.
- Follow (Step 1) to (Step 4) of Item 10.11.
- Follow (Step 1) to (Step 8) of Item 10.13.

Step 1 Desolder pins of the digital amp IC (IC5000) on the back side of D-Amp P.C.B.

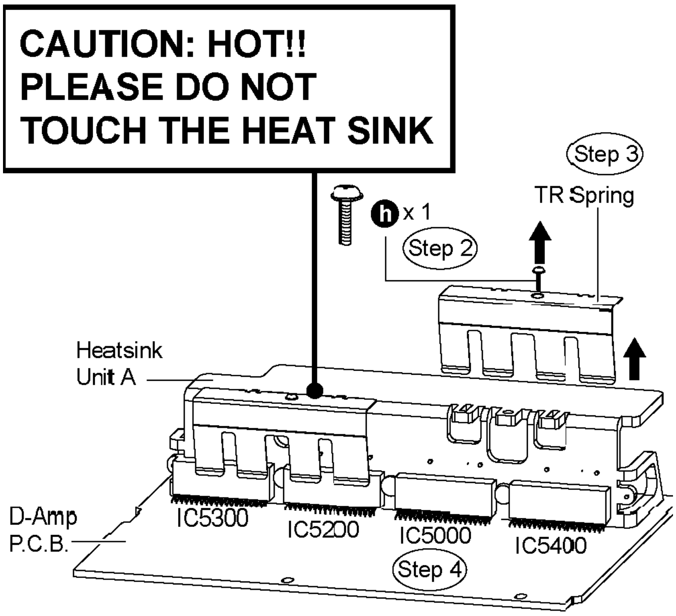


Step 2 Remove 1 screw from the top of the heatsink unit A.

Step 3 Remove the TR spring in the direction of the arrow.

Step 4 Remove the digital amp IC (IC5000) from the heatsink unit A.

Caution : Handle the heatsink unit A with caution due to its high temperature after prolonged use. Touching it may lead to injuries.



Special Note : For replacement of IC5200, IC5300 & IC5400, repeat the (Step 1) to (Step 4). Refer to the diagrams of D-Amp P.C.B. (Item 20.6) for location of the parts.

10.15. Disassembly of SMPS P.C.B.

- Follow (Step 1) to (Step 3) of Item 10.3.
- Follow (Step 1) to (Step 11) of Item 10.12.

Step 1 Move aside Main P.C.B. and position it according to the diagram shown.

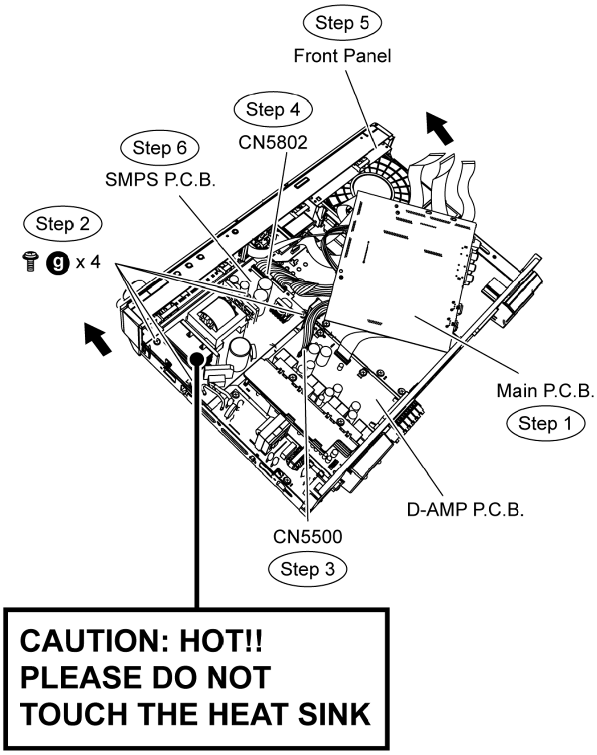
Step 2 Remove 4 screws on SMPS P.C.B.

Step 3 Detach 8P cable at the connector (CN5500) on D-Amp P.C.B.

Step 4 Detach 11P cable at the connector (CN5802) on SMPS P.C.B.

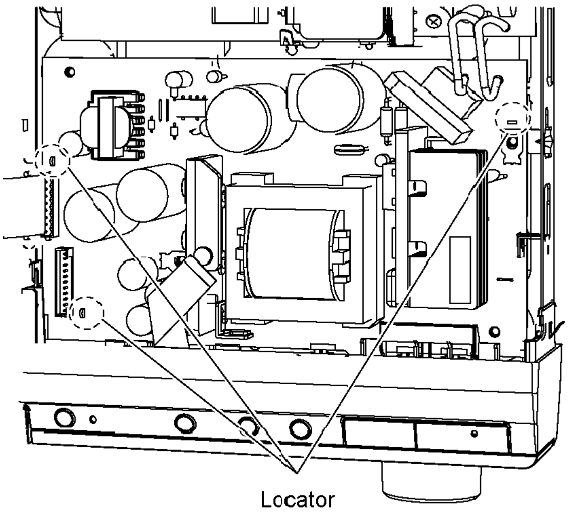
Step 5 Detach front panel in the direction of arrow.

Step 6 Remove SMPS P.C.B.



Caution: Handle the heatsink unit B with caution due to its high temperature after prolonged use. Touching it may lead to injuries.

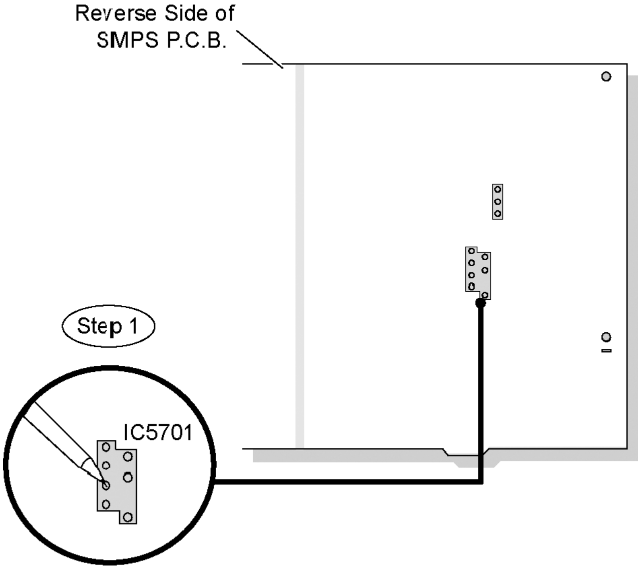
Special Note: During reassembling procedures, ensure the P.C.B. is seated properly at the locators.



10.16. Replacement of Switch Regulator IC (IC5701)

- Follow (Step 1) to (Step 3) of Item 10.3.
- Follow (Step 1) to (Step7) of Item 10.12.
- Follow (Step 1) to (Step 6) of Item 10.17.

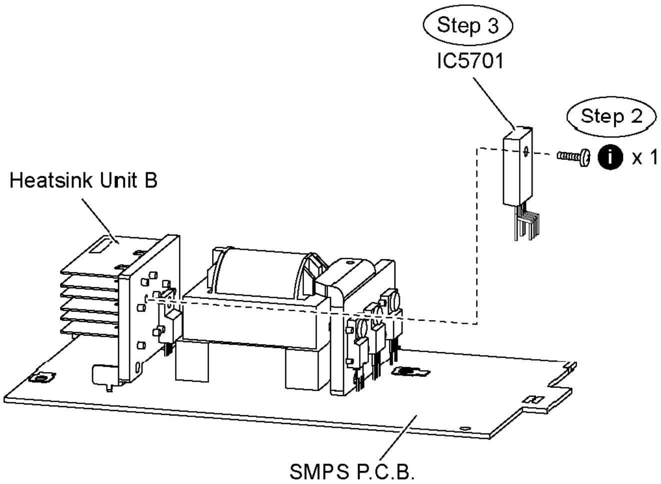
Step 1 Desolder pins of the switch regulator IC (IC5701) on the reverse side of SMPS P.C.B.



Step 2 Remove 1 screw from the switch regulator IC (IC5701).

Step 3 Remove the switch regulator IC (IC5701) from the heatsink unit B.

Caution: Handle the heatsink unit B with caution due to its high temperature after prolonged use. Touching it may lead to injuries.



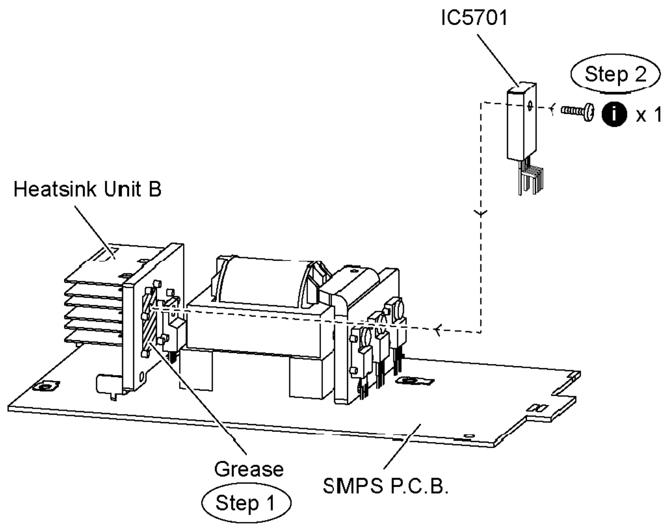
Note : Refer to the diagrams of SMPS P.C.B. (Item 20.7.) for location of the part.

10.16.1. Assembly of Switch Regulator IC (IC5701)

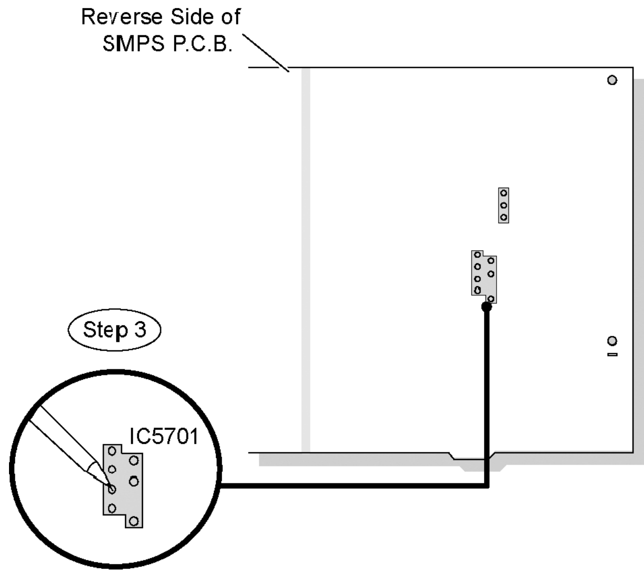
Step 1 Apply grease to the heatsink unit B.

Step 2 Fix and screw the switch regulator IC (IC5701) to the heatsink unit B.

Special Note: Ensure the switch regulator IC (IC5701) is tightly screwed to the heatsink unit B.



Step 3 Solder pins of the switch regulator IC (IC5701) on the reverse side of SMPS P.C.B.



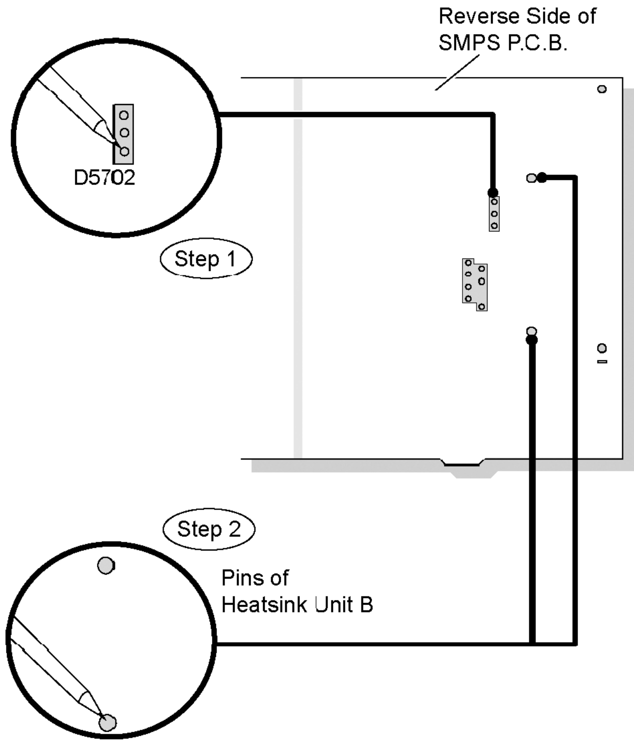
Special Note: Ensure pins of the switch regulator IC (IC5701) are properly seated and soldered on SMPS P.C.B.

10.17. Replacement of Switch Regulator Diode (D5702)

- Follow (Step 1) to (Step 3) of Item 10.3.
- Follow (Step 1) to (Step 7) of Item 10.12.
- Follow (Step 1) to (Step 6) of Item 10.17.

Step 1 Desolder pins of the switch regulator diode (D5702) on the reverse side of SMPS P.C.B.

Step 2 Desolder pins of the heatsink unit B.



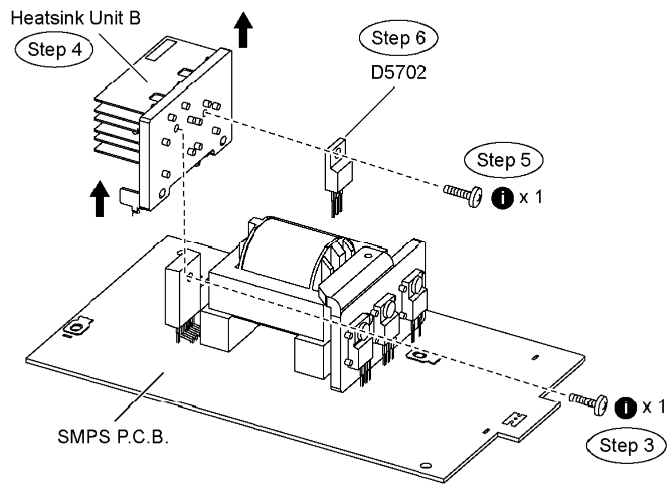
Step 3 Remove 1 screw from the switch regulator IC (IC5701).

Step 4 Remove the heatsink unit B in the direction of arrows.

Step 5 Remove 1 screw from the switch regulator diode. (D5702).

Step 6 Remove the switch regulator diode (D5702) from the heatsink unit B.

Caution: Handle the heatsink unit B with caution due to its high temperature after prolonged use. Touching it may lead to injuries.



Note : Refer to the diagrams of SMPS P.C.B. (Item 20.7.) for location of the part.

10.17.1. Assembly of Switch Regulator Diode (D5702)

Step 1 Apply grease to the heatsink unit B.

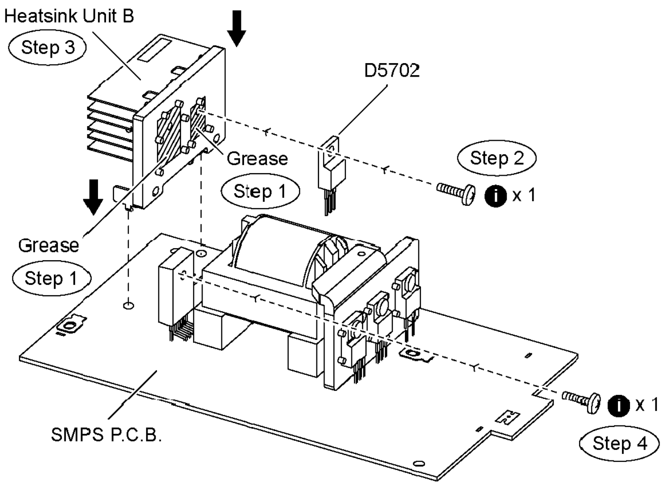
Step 2 Fix and screw the switch regulator diode (D5702) to the

heatsink unit B.

Special Note: Ensure the switch regulator diode (D5702) is tightly screwed to the heatsink unit B.

Step 3 Fix the heatsink unit B on SMPS P.C.B. in the direction of arrows.

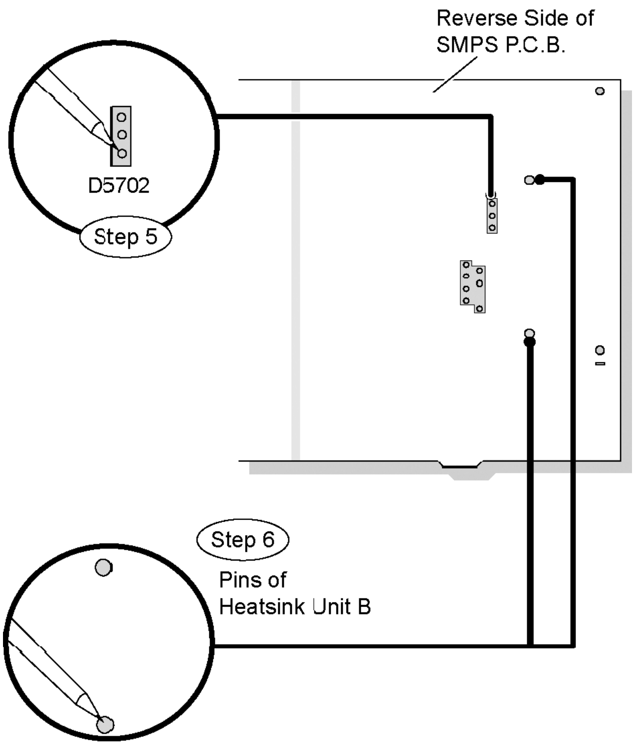
Step 4 Fix and screw the switch regulator IC (IC5701) to the heatsink unit B



Special Note: Ensure the heatsink unit B is properly seated on SMPS P.C.B.

Step 5 Solder pins of the switch regulator diode (D5702) on the reverse side of SMPS P.C.B.

Step 6 Solder pins of the heatsink unit B on the reverse side of SMPS P.C.B.

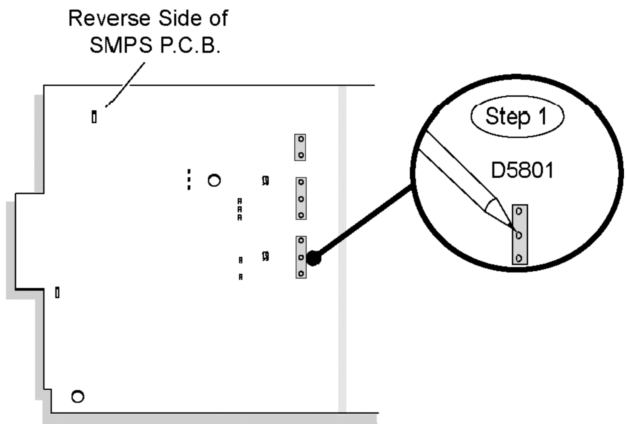


Special Note: Ensure pins of the switch regulator diode (D5702) are properly seated and soldered on SMPS P.C.B.

10.18. Replacement of Regulator Diode (D5801)

- Follow (Step 1) to (Step 3) of Item 10.3.
- Follow (Step 1) to (Step 7) of Item 10.12.
- Follow (Step 1) to (Step 6) of Item 10.17.

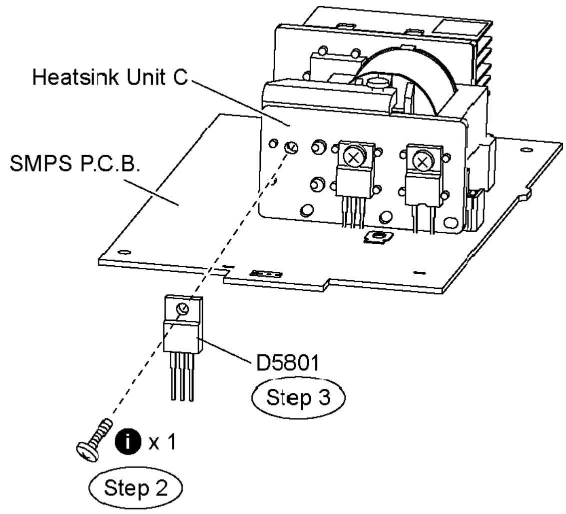
Step 1 Desolder pins of the regulator diode (D5801) on the reverse side of SMPS P.C.B.



Step 2 Remove 1 screw from the regulator diode (D5801).

Step 3 Remove the regulator diode (D5801) from the heatsink unit C.

Caution: Handle the heatsink unit C with caution due to its high temperature after prolonged use. Touching it may lead to injuries.



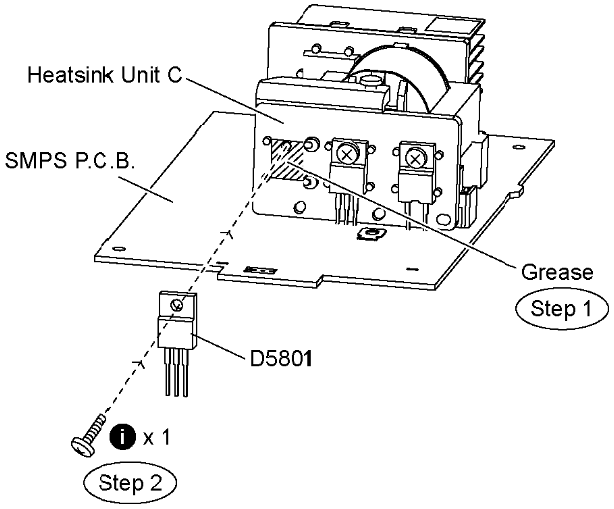
Note: Refer to the diagrams of SMPS P.C.B. (Item 20.7.) for location of the part.

10.18.1. Assembly of Regulator Diode (D5801)

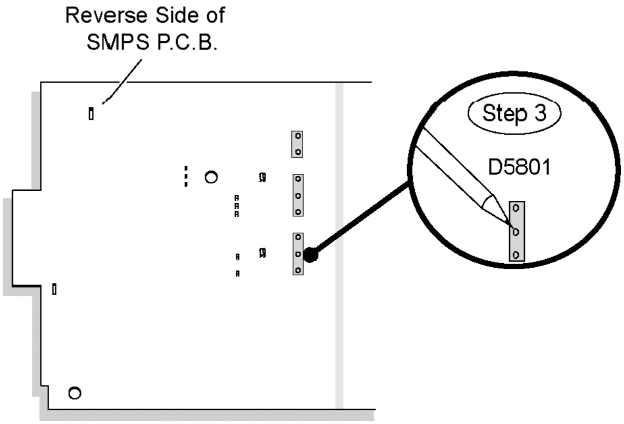
Step 1 Apply grease to the heatsink unit C.

Step 2 Fix and screw the regulator diode (D5801) to the heatsink unit C.

Special Note: Ensure the regulator diode (D5801) is tightly screwed to the heatsink unit C.



Step 3 Solder pins of the regulator diode (D5801) on the reverse side of SMPS P.C.B.

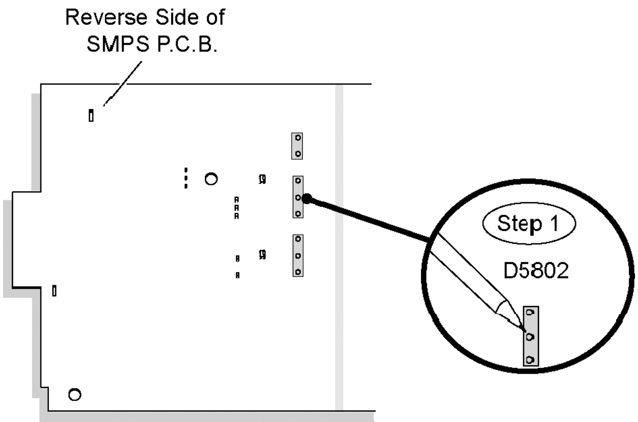


Special Note: Ensure pins of the regulator diode (D5801) are properly seated and soldered on SMPS P.C.B.

10.19. Replacement of Regulator Diode (D5802)

- Follow (Step 1) to (Step 3) of Item 10.3.
- Follow (Step 1) to (Step 7) of Item 10.12.
- Follow (Step 1) to (Step 6) of Item 10.17.

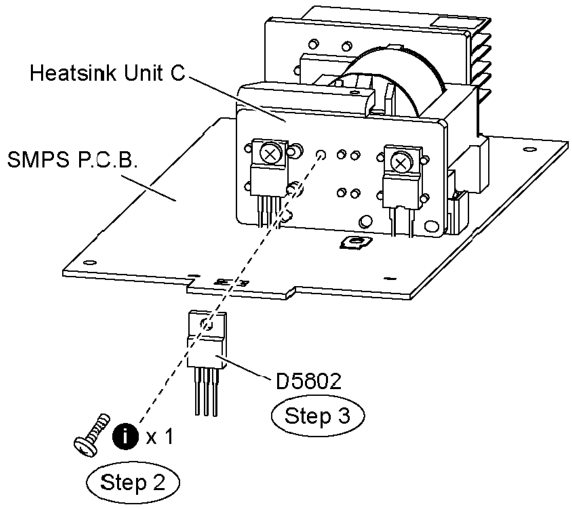
Step 1 Desolder pins of the regulator diode (D5802) on the reverse side of SMPS P.C.B.



Step 2 Remove 1 screw from the regulator diode (D5802).

Step 3 Remove the regulator diode (D5802) from the heatsink unit C.

Caution: Handle the heatsink unit C with caution due to its high temperature after prolonged use. Touching it may lead to injuries.



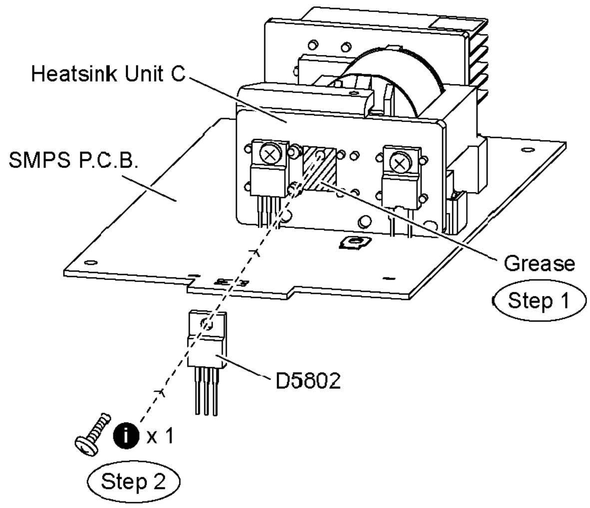
Note: Refer to the diagrams of SMPS P.C.B. (Item 20.7) for location of the part.

10.19.1. Assembly of Regulator Diode (D5802)

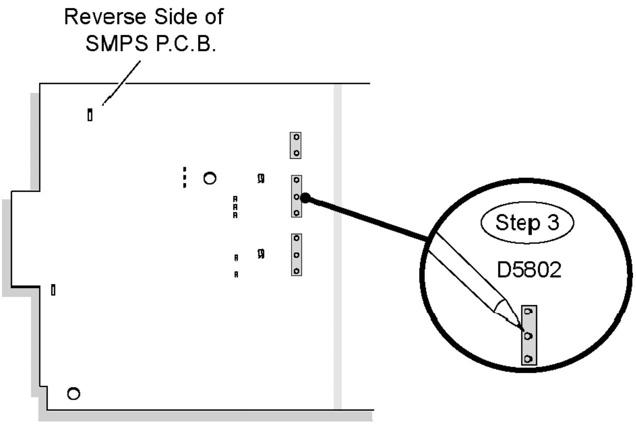
Step 1 Apply grease to the heatsink unit C.

Step 2 Fix and screw the regulator diode (D5802) to the heatsink unit C.

Special Note: Ensure the regulator diode (D5802) is tightly screwed to the heatsink unit C.



Step 3 Solder pins of the regulator diode (D5802) on the reverse side of SMPS P.C.B.

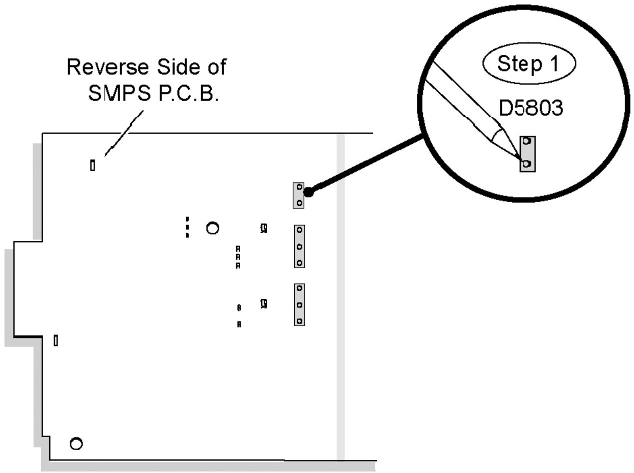


Special Note: Ensure pins of the regulator diode (D5802) are properly seated and soldered on SMPS P.C.B.

10.20. Replacement of Regulator Diode (D5803)

- Follow (Step 1) to (Step 3) of Item 10.3.
- Follow (Step 1) to (Step 7) of Item 10.13.
- Follow (Step 1) to (Step 6) of Item 10.18.

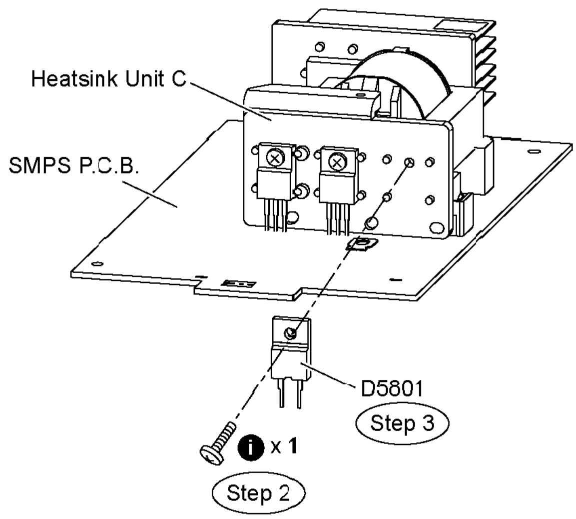
Step 1 Desolder pins of the regulator diode (D5803) on the reverse side of SMPS P.C.B.



Step 2 Remove 1 screw from the regulator diode (D5803).

Step 3 Remove the regulator diode (D5803) from the heatsink unit C.

Caution: Handle the heatsink unit C with caution due to its high temperature after prolonged use. Touching it may lead to injuries.



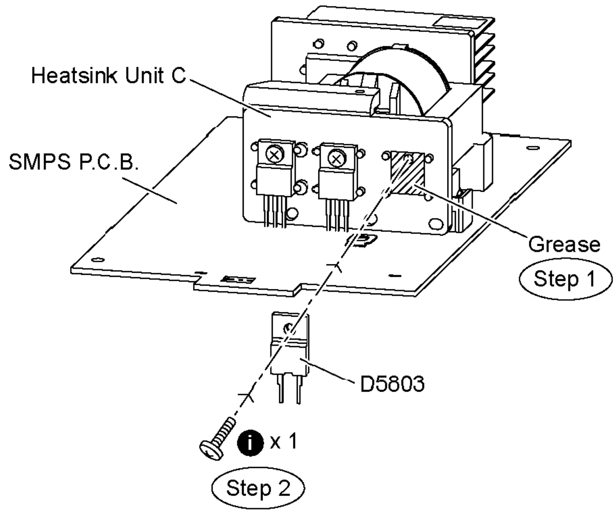
Note: Refer to the diagrams of SMPS P.C.B. (Item 20.7) for location of the part.

10.20.1. Assembly of Regulator Diode (D5803)

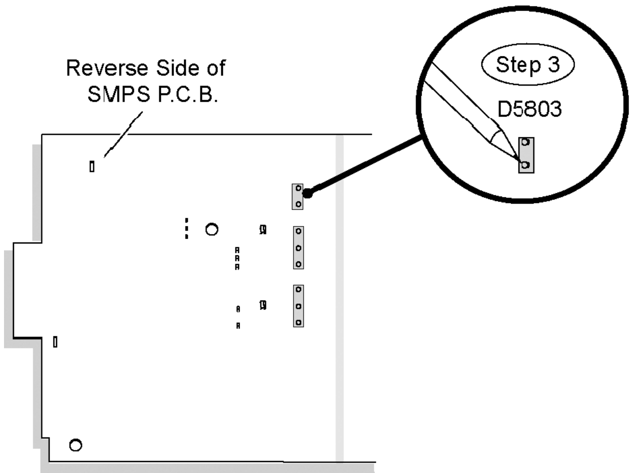
Step 1 Apply grease to the heatsink unit C.

Step 2 Fix and screw the regulator diode (D5803) to the heatsink unit C.

Special Note: Ensure the regulator diode (D5803) is tightly screwed to the heatsink unit C.



Step 3 Solder pins of the regulator diode (D5803) on the reverse side of SMPS P.C.B.

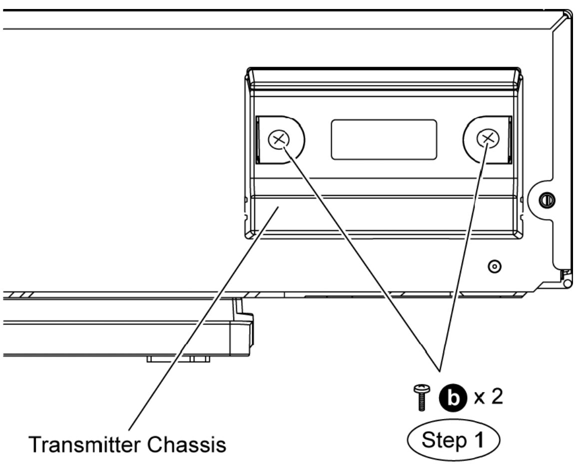


Special Note: Ensure pins of the regulator diode (D5803) are properly seated and soldered on SMPS P.C.B.

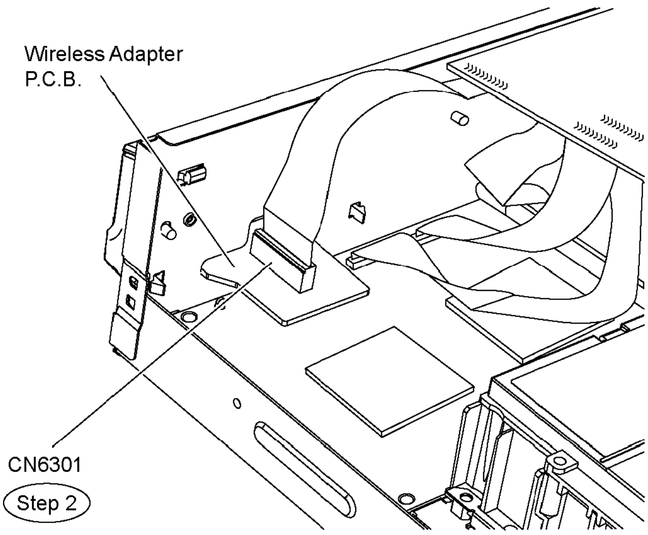
10.21. Disassembly of Wireless Adapter P.C.B.

- Follow (Step 1) to (Step 3) of Item 10.3.

Step 1 Release 2 screws at the Digital Transmitter chasis.



Step 2 Detach 19P FFC cable at the connector (CN6301) on wireless adapter P.C.B.

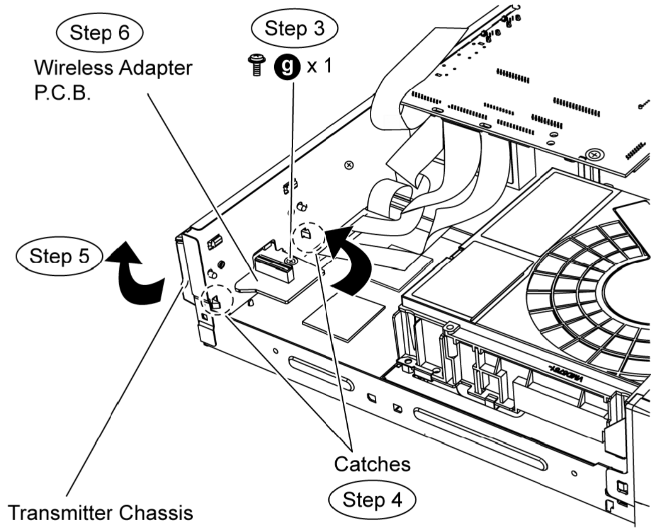


Step 3 Remove 1 screw on wireless adapter P.C.B.

Step 4 Relese 2 catches at the rear panel.

Step 5 Remove Digital Transmitter chasis in the direction of arrow.

Step 6 Remove wireless adapter P.C.B in the direction of arrow.



Caution: Remove the Wireless Adapter P.C.B carefully to avoid damage the electrical components on P.C.B..

10.22. Disassembly of DSP P.C.B.

- Follow (Step 1) to (Step 3) of Item 10.3.
- Follow (Step 1) to (Step 6) of Item 10.21.

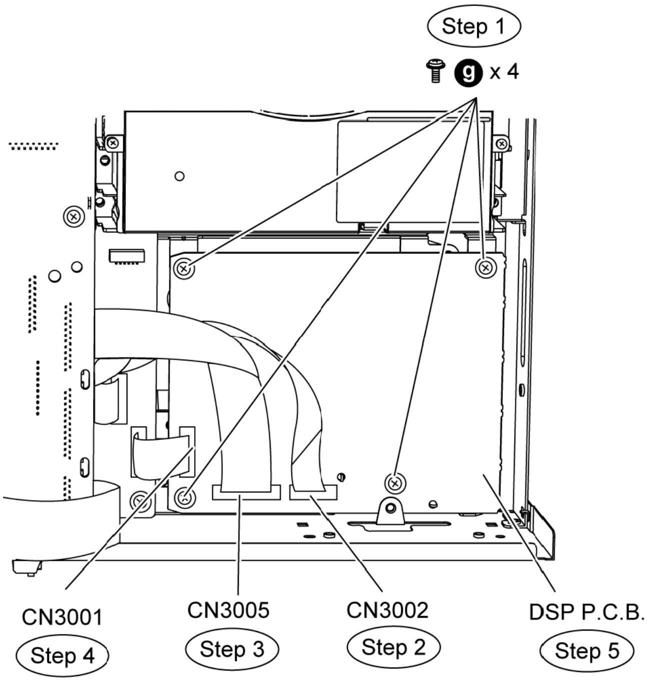
Step 1 Remove 4 screws on DSP P.C.B.

Step 2 Detach 20P FFC cable at the connector (CN3002) on DSP P.C.B.

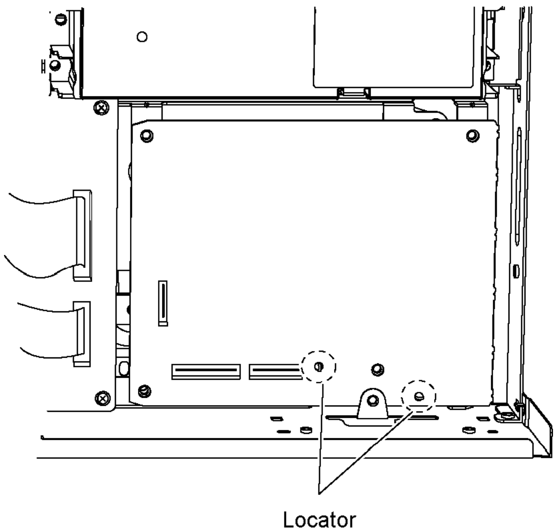
Step 3 Detach 24P FFC cable at the connector (CN3005) on DSP P.C.B.

Step 4 Detach 15P FFC cable at the connector (CN3001) on DSP P.C.B.

Step 4 Remove the DSP P.C.B.



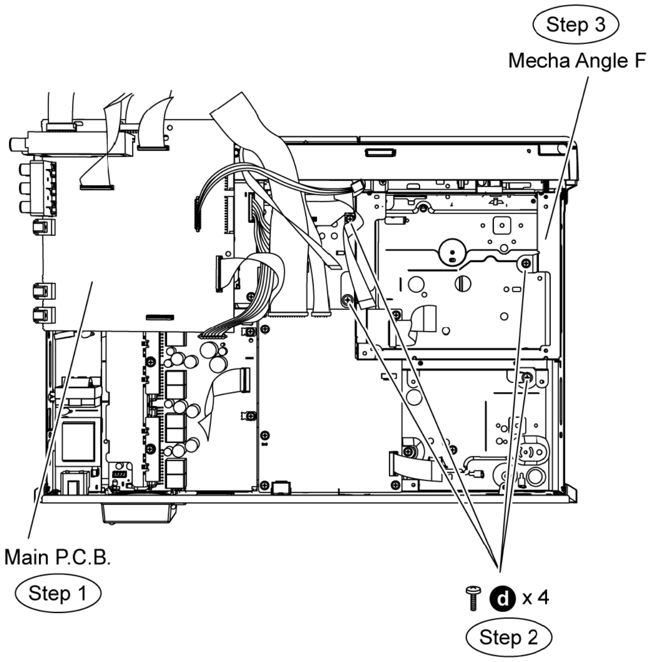
Special Note: During reassembling procedures, ensure the P.C.B. is seated properly at the locators.



10.23. Disassembly of Digital P.C.B.

- Follow (Step 1) to (Step 3) of Item 10.3.
- Follow (Step 1) to (Step 6) of Item 10.5.
- Follow (Step 1) to (Step 4) of Item 10.6.
- Follow (Step 1) to (Step 6) of Item 10.21.
- Follow (Step 1) to (Step 5) of Item 10.22.

Step 1 Move aside Main P.C.B according to the diagram show.



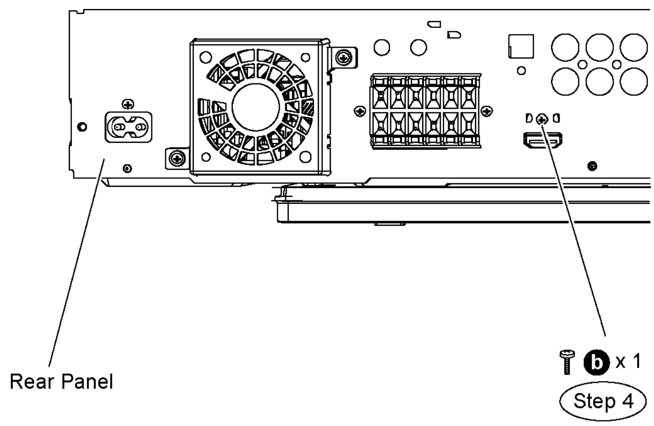
- Disassembly of Mecha Angle F.

Step 2 Remove 3 screws from Mecha Angle F.

Step 3 Remove the Mecha Angle F.

- Disassembly of Digital P.C.B.

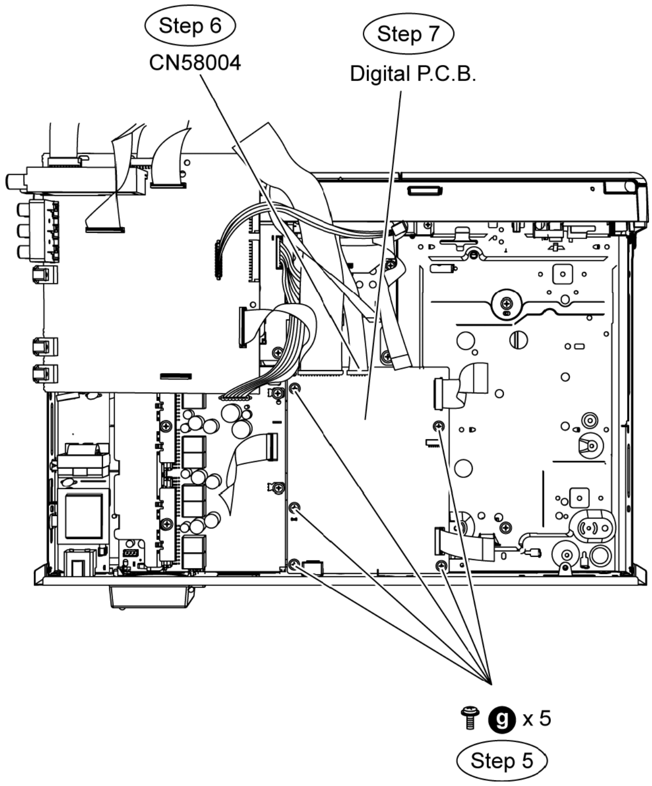
Step 4 Remove 1 screw at the rear panel.



Step 5 Remove 5 screws on Digital P.C.B.

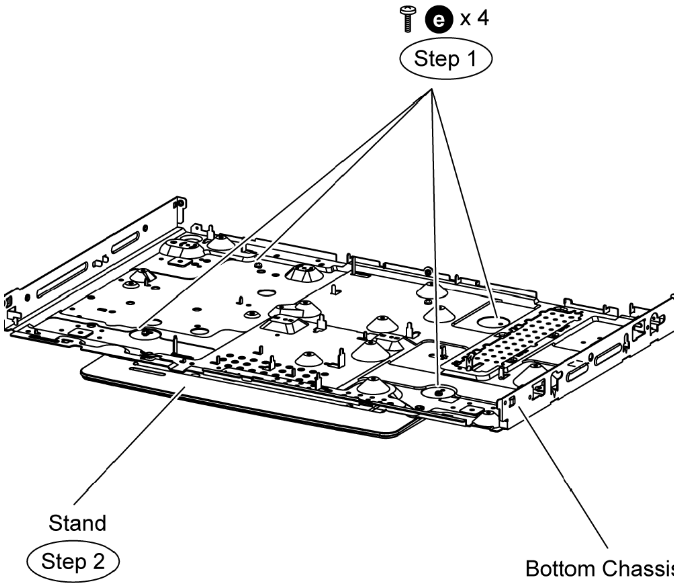
Step 6 Detach 12P FFC cable at the connector (CN58004) on Digital P.C.B.

Step 7 Remove Digital P.C.B.

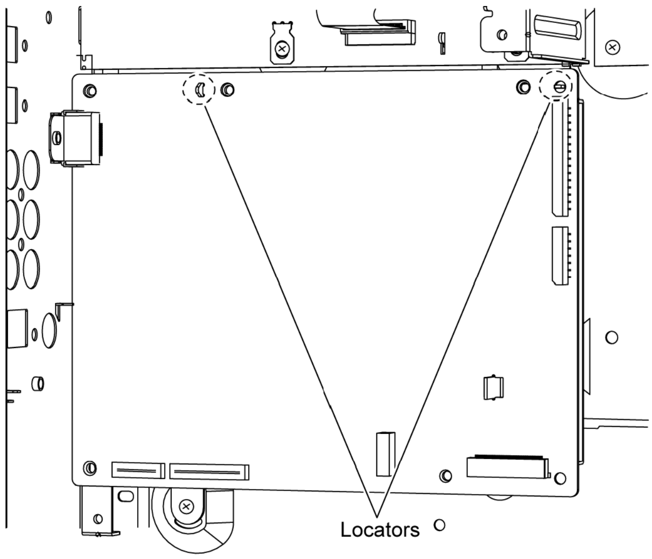


Step 1 Remove 4 screws at the Bottom Chassis.

Step 2 Remove the Stand unit.



Special Note: During reassembling procedures, ensure the P.C.B. is seated properly at the locators.



10.24. Disassembly of Stand

- Follow (Step 1) to (Step 3) of Item 10.3.
- Follow (Step 1) to (Step 6) of Item 10.4.
- Follow (Step 1) to (Step 7) of Item 10.5.
- Follow (Step 1) to (Step 9) of Item 10.6.
- Follow (Step 1) to (Step 5) of Item 10.11.
- Follow (Step 1) to (Step 14) of Item 10.12.
- Follow (Step 1) to (Step 8) of Item 10.13.
- Follow (Step 1) to (Step 6) of Item 10.15.
- Follow (Step 1) to (Step 6) of Item 10.21.
- Follow (Step 1) to (Step 4) of Item 10.22.
- Follow (Step 1) to (Step 7) of Item 10.23.

11 Service Fixture and Tools

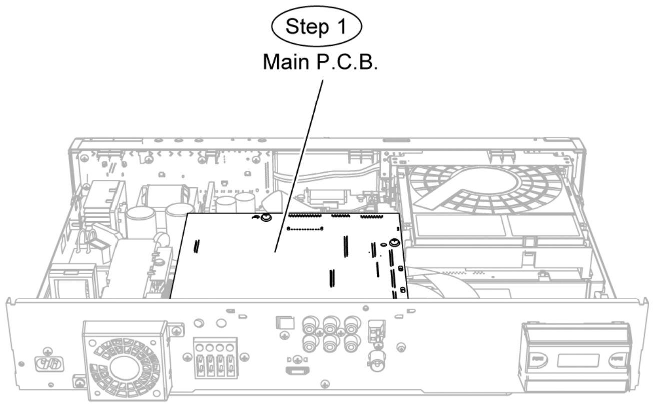
Prepare service tools before proccess service position.

Service Tools		Remarks
Digital P.C.B. (CN5400) - DSP P.C.B. (CN3001)	RFKZ0489 (15P cable)	[M](RTL)
D-Amp P.C.B. (CN5050) - Main P.C.B. (CN503)	RFKZ0491 (17P cable)	[M](RTL)
Digital P.C.B. (P51603) - BD/DVD Drive Unit (CN2016)	RFKZ0134 (40P cable)	[SPG](RTL)
Main P.C.B. (CN804) - Digital P.C.B. (CN58002)	RFKZ0490 (22P cable)	[M](RTL)
Main P.C.B. (CN7001) - SMPS P.C.B. (CN5802)	REX1287 (11P cable)	[M](RTL)
SMPS P.C.B. (H5801) - Digital P.C.B. (CN5500)	REXX0651 (8P cable)	[M](RTL)

12 Service Position

12.1. Checking & Repairing Main P.C.B.

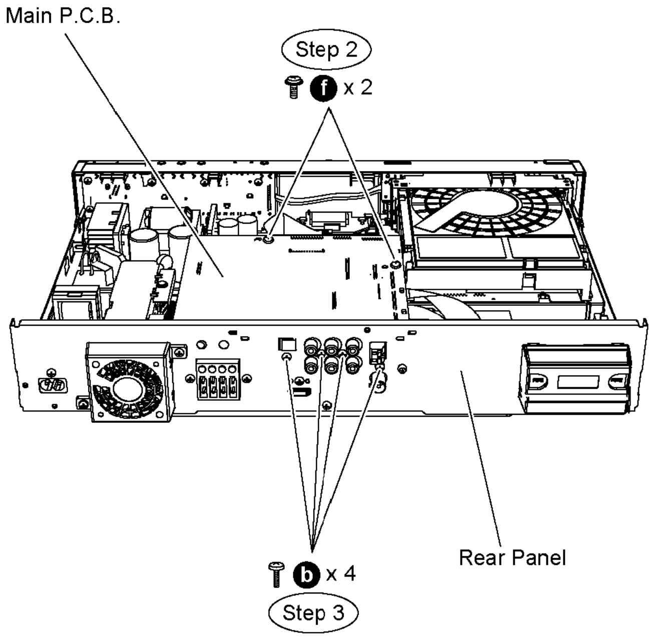
Step 1 Remove the top cabinet to service side A of Main P.C.B.



- Servicing side B of Main P.C.B.

Step 2 Remove 2 screws on Main P.C.B.

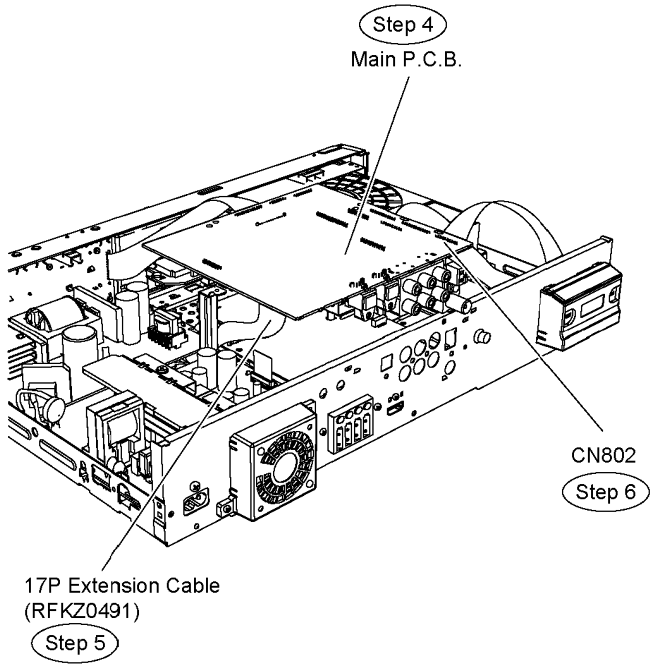
Step 3 Remove 4 screws at the rear panel.



Step 4 Detach Main P.C.B from the rear panel and position it according to the diagram show.

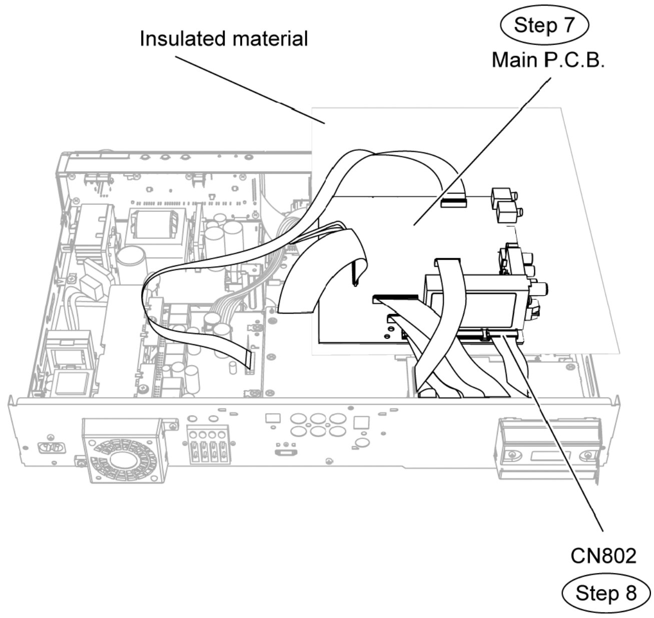
Step 5 Attach original cable with extension cable RFKZ0491 (17P cable from CN5050 to CN503)

Step 6 Detach 19P FFC cable at the connector (CN802) on Main P.C.B.



Step 7 Position Main P.C.B according to diagram show.

Step 8 Connect 19P FFC cable at the connector (CN802) on Main P.C.B.

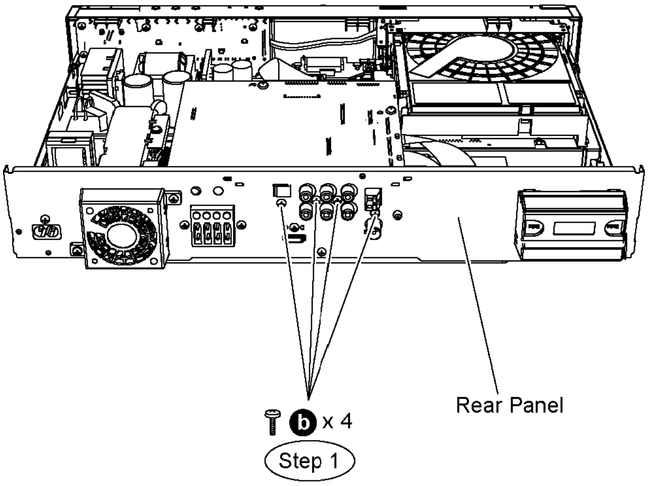


Caution: Insulate Main P.C.B from other parts insulating material (eg:plastic).

12.2. Checking & Repairing D-Amp P.C.B.

Step 1 Remove the top cabinet.

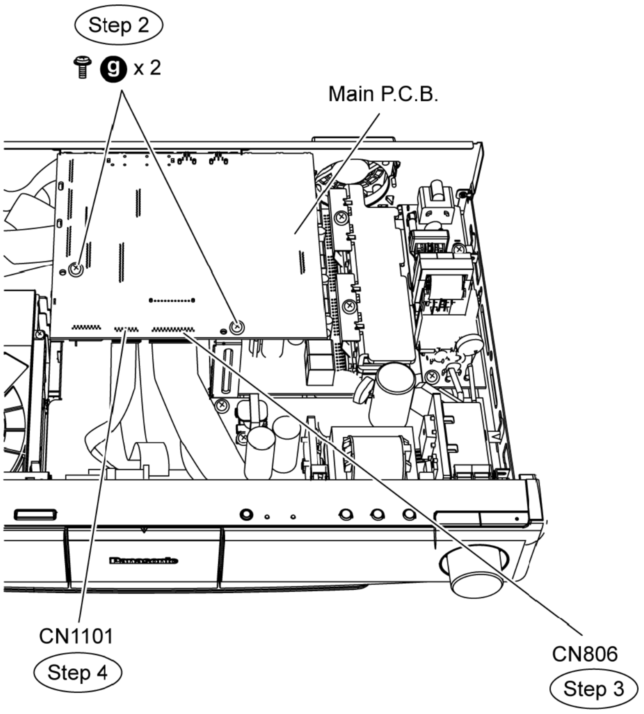
Step 2 Remove 3 screws at the rear panel.



Step 3 Remove 2 screws on Main P.C.B.

Step 4 Detach 25P cable at the connector (CN806) on Main P.C.B.

Step 5 Detach 14P cable at the connector (CN1101) on Main P.C.B.

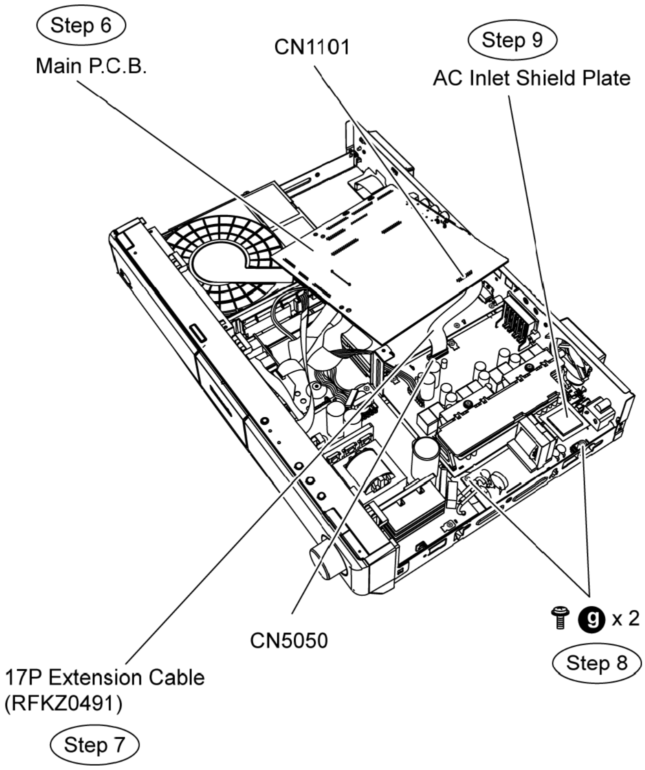


Step 6 Detach Main P.C.B. from the rear panel and position it according to the diagram show.

Step 7 Attach original cable with extension cable RFKZ0491 (17P cable from CN503 to CN5050).

Step 8 Remove 2 screws from Ac inlet shield plate unit.

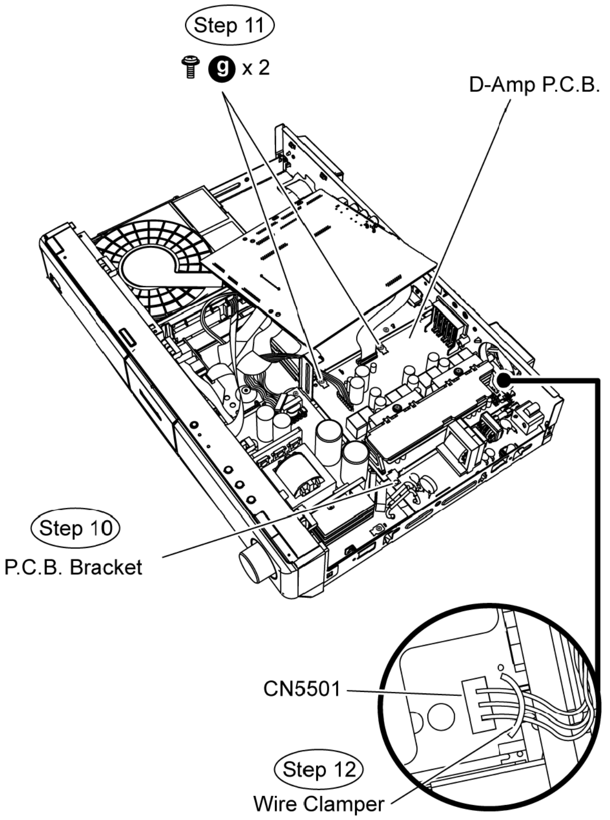
Step 9 Remove the AC Inlet shield plate unit.



Step 10 Remove the P.C.B. bracket.

Step 11 Remove 2 screws on D-Amp P.C.B.

Step 12 Remove the wire clamper to detach 3P cable at the connector (CN5501) on D-Amp P.C.B.



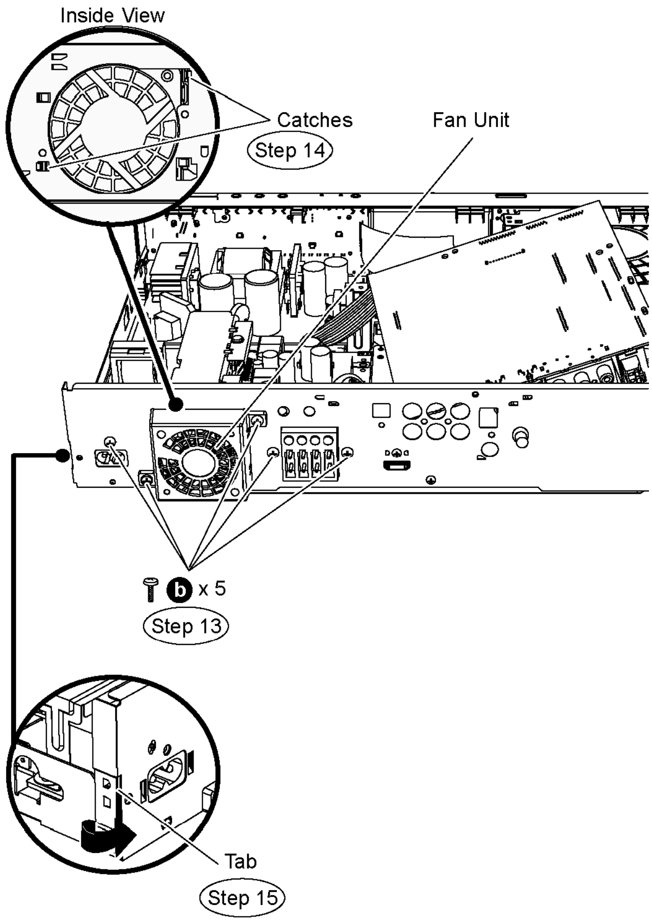
Caution Note: Keep the P.C.B. bracket in safe place. Avoid denting it. Place it back during assembling.

Step 13 Remove 5 screws at the rear panel.

Step 14 Release the catches and remove the fan unit.

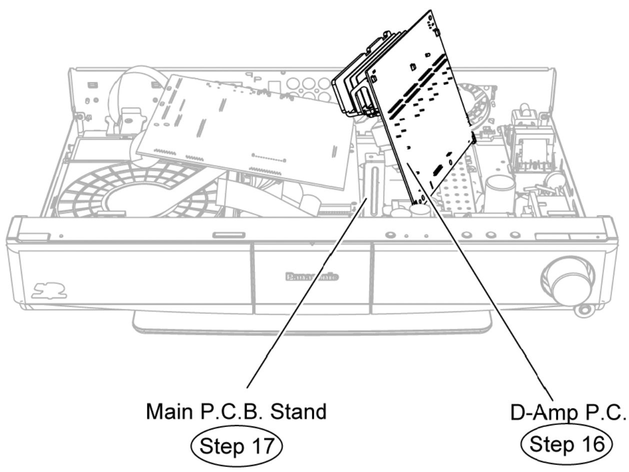
Step 15 Release the tab of the rear panel in the direction of

arrow.



Step 16 Detach D-Amp P.C.B. from the bottom chassis and flip it vertically.

Step 17 Remove the Main P.C.B stand.



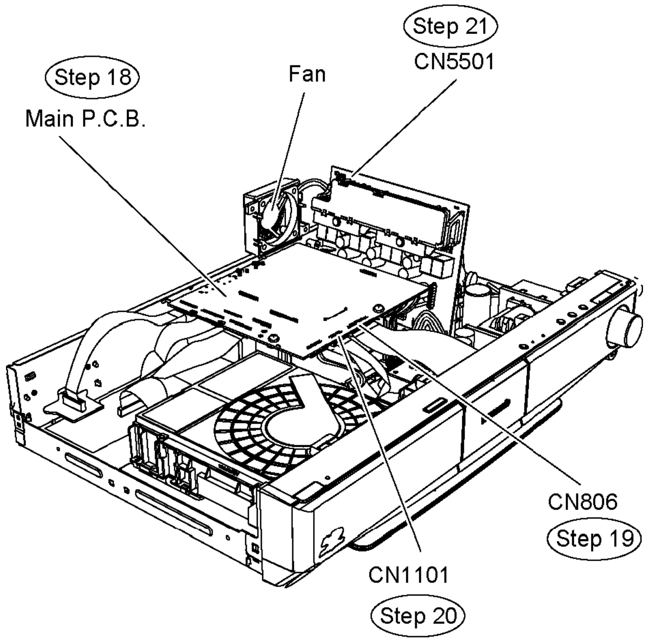
Step 18 Position Main P.C.B. according to the diagram shown.

Caution Note: Ensure the cable is attached properly.

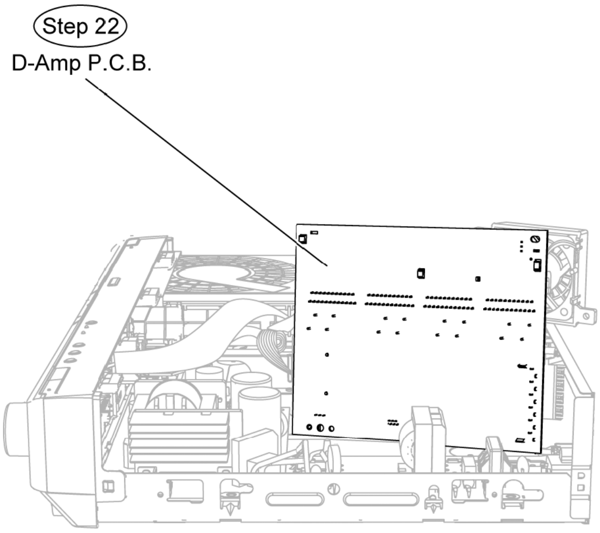
Step 19 Connect 25P cable at the connector (CN806) on Main P.C.B.

Step 20 Connect 14P cable at the connector (CN1101) on Main P.C.B.

Step 21 Connect the fan unit at the connector (CN5501) on D-Amp P.C.B.



Step 22 Position D-Amp P.C.B. with insulated material according to the diagram shown.



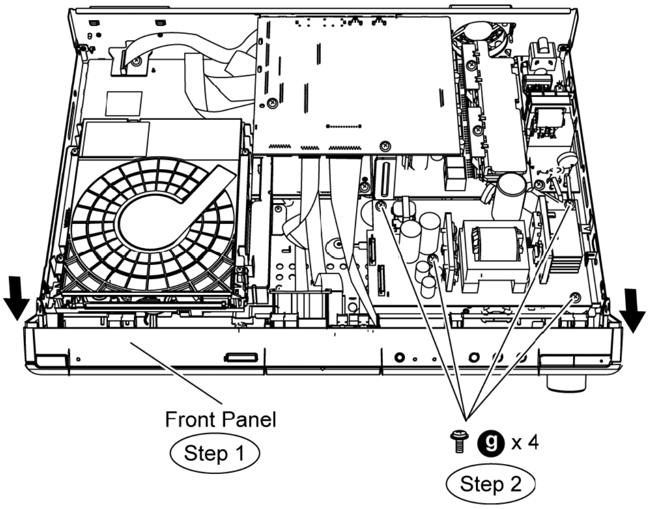
Caution: Insulate D-Amp P.C.B from other parts insulating material (eg:plastic).

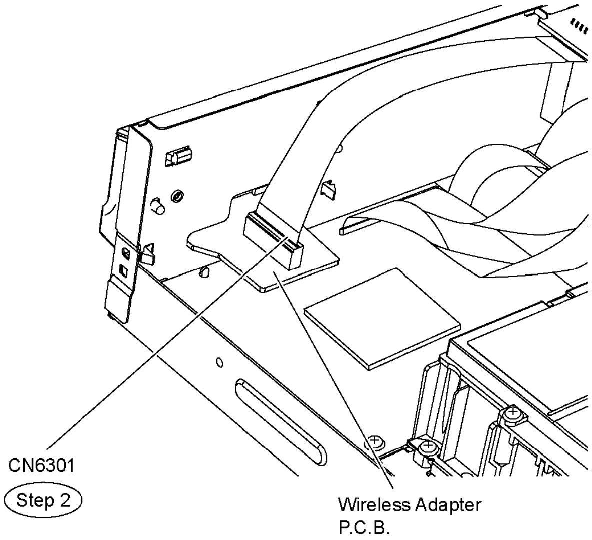
12.3. Checking & Repairing SMPS P.C.B.

- Follow (Step 1) to (Step 7) of Item 12.2.

Step 1 Detach the front panel slightly forward in the direction of arrow.

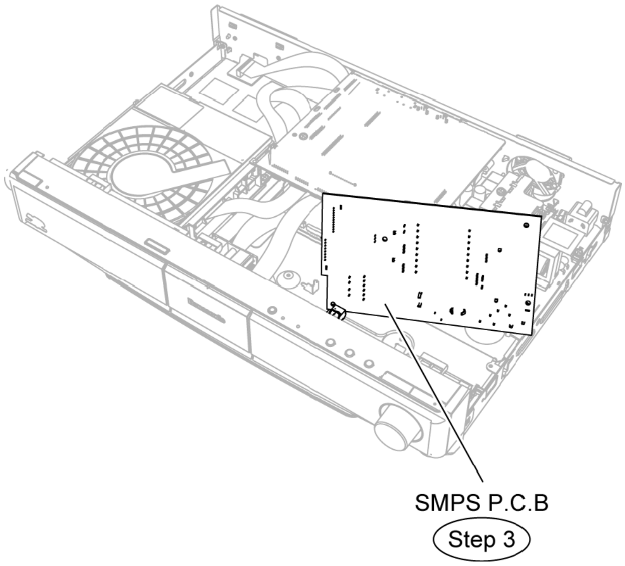
Step 2 Remove 4 screws on SMPS P.C.B.





Step 3 Detach SMPS P.C.B. from the bottom chassis and flip it vertically.

Step 4 Position SMPS P.C.B according to the diagram shown.



12.4. Checking & Repairing DSP P.C.B.

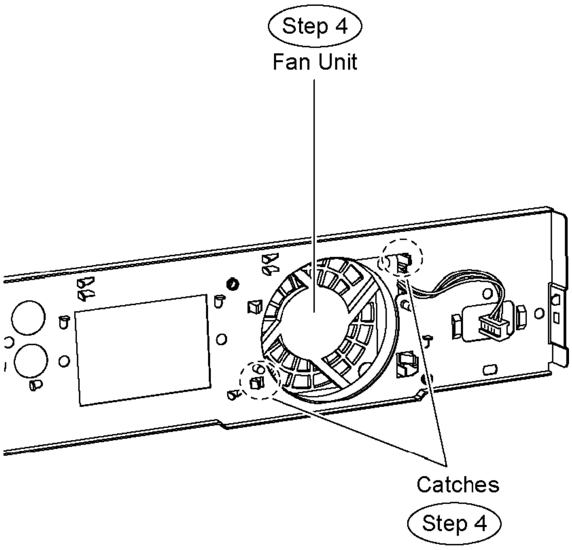
- Servicing side A of DVD Module P.C.B.

Step 1 Remove the top cabinet.

Step 2 Detach 19P FFC cable at the connector (CN6301) on wireless adapter P.C.B.

Step 3 Remove the rear panel. (Remove all the screws).

Step 4 Release the catches and remove the fan unit.

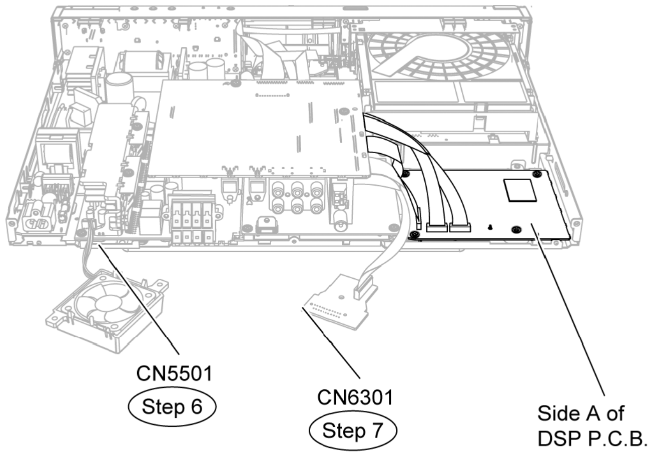


Step 5 Remove wireless adapter P.C.B.

Note: Refer to the diagram of item wireless adapter P.C.B.

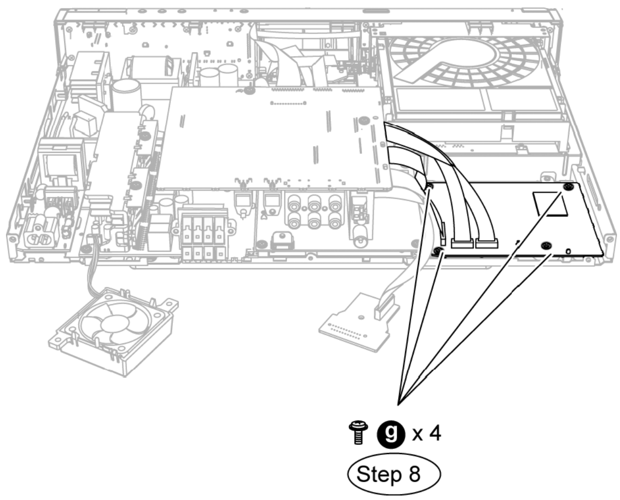
Step 6 Connect the fan unit at the connector (CN5501) on D-Amp P.C.B.

Step 7 Connect 19P FFC cable at the connector (CN6301) on wireless adapter P.C.B.

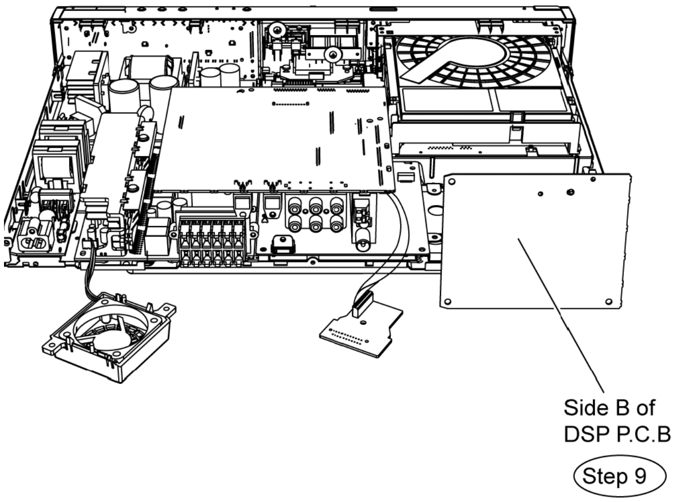


- Servicing side B of DVD Module P.C.B.

Step 8 Remove 4 screws on DSP P.C.B.



Step 9 Flip DSP P.C.B to its side B and position it to the diagram show.



12.5. Checking & Repairing Digital P.C.B.

- Servicing Side A of Digital P.C.B.

Step 1 Remove the top cabinet.

Step 2 Remove the front panel.

Step 3 Remove the panel P.C.B.

Step 4 Remove the headphone P.C.B.

Step 5 Remove open/close P.C.B.

Step 6 Remove Power Button P.C.B.

Step 7 Remove SD P.C.B.

Step 8 Remove i-Pod P.C.B.

Step 9 Remove Wireless Adapter P.C.B.

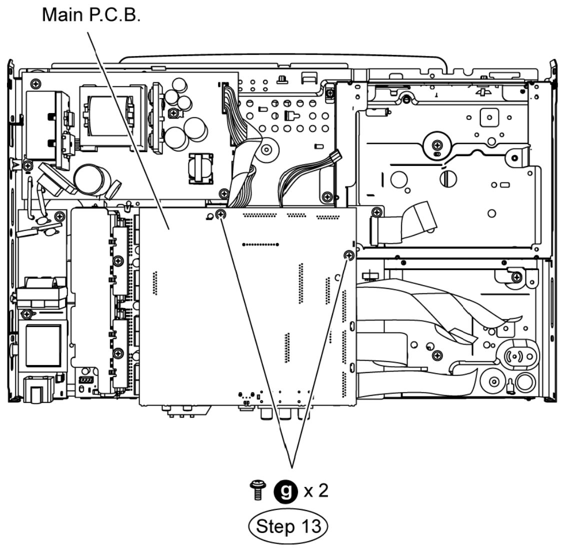
Step 10 Remove Rear Panel (Remove all screws).

Step 11 Remove the Fan Unit.

Step 12 Remove the DSP P.C.B.

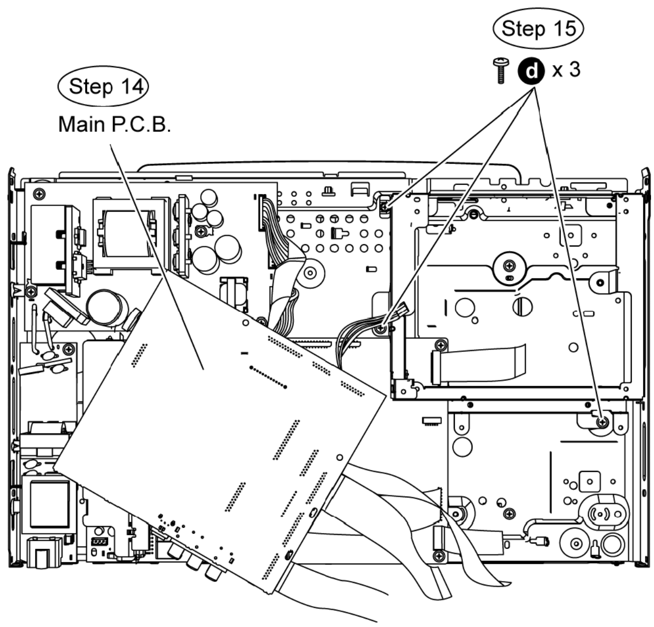
Step 13 Remove the BD Drive.

Step 14 Remove 2 screws on Main P.C.B.



Step 15 Move aside main P.C.B as the diagram show.

Step 16 Remove 3 screws at the mechanism angle.



Step 17 Position mechanism angle according to the diagram show.

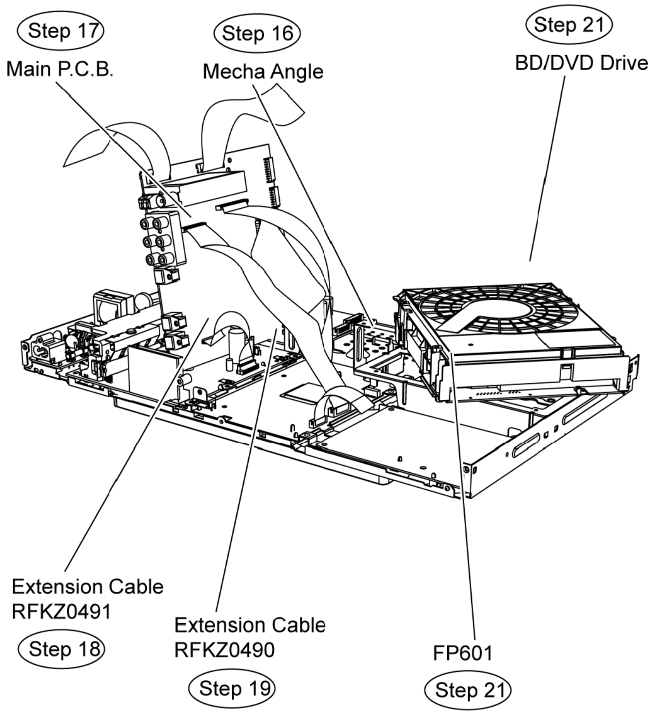
Step 18 Position Main P.C.B according to diagram show.

Step 19 Attach original cable with extension cable RFKZ0491 (17P cable from CN5050 to CN503).

Step 20 Attach original cable with extension cable RFKZ0490 (22P cable from CN804 to CN58002).

Step 21 Position BD/DVD Drive according to the diagram show.

Step 22 Connect 40P FFC cable at the connector (FP601) on Loading P.C.B.



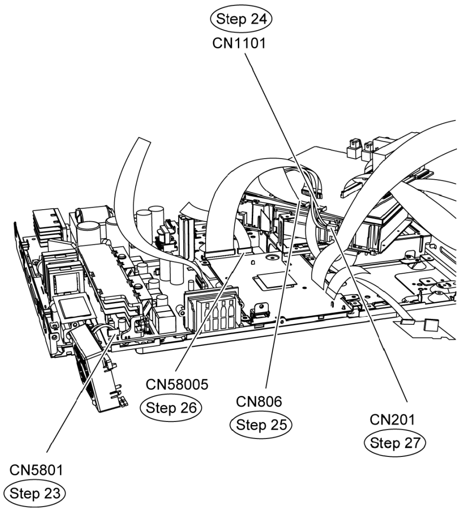
Step 23 Connect 3P cable at the connector (CN5801) on D-Amp P.C.B.

Step 24 Connect 14P FFC cable at the connector (CN1101) on Main P.C.B.

Step 25 Connect 25P FFC cable at the connector (CN806) on Main P.C.B.

Step 26 Connect 13P FFC cable at the connector (CN58005) on Digital P.C.B.

Step 27 Connect 4P cable at the connector (CN602) on Loading P.C.B.

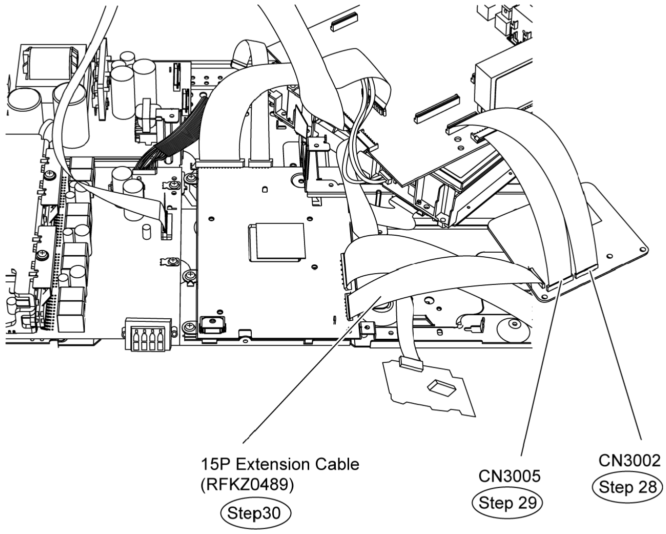


Step 28 Connect 20P FFC cable at the connector (CN3002) on DSP P.C.B.

Step 29 Connect 24P FFC cable at the connector (CN3005) on DSP P.C.B.

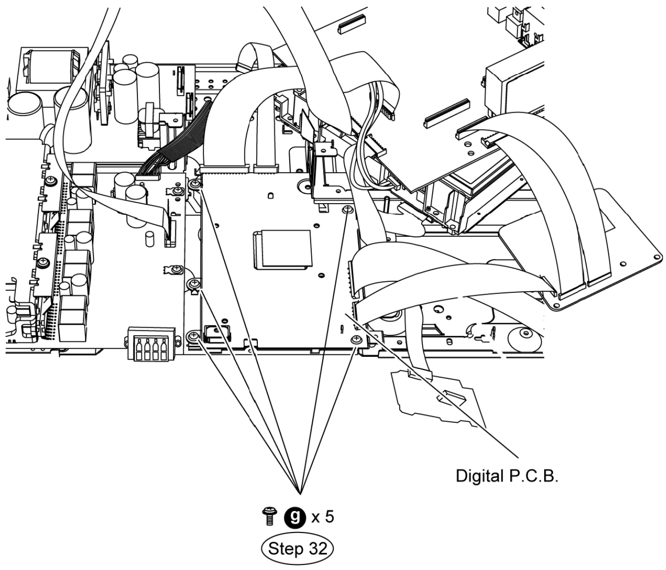
Step 30 Attach original cable with extension cable RFKZ0489 (15P cable from CN5400 to CN3001).

Step 31 Connect 19P FFC cable at the connector (CN6301) on Wireless Adapter P.C.B.



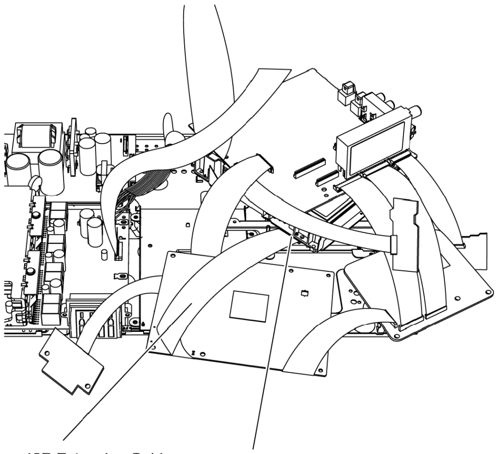
- Servicing Side B of Digital P.C.B.

Step 32 Remove 5 screws on Digital P.C.B.



Step 33 Attach original cable with extension cable (40P FFC cable from P51603 to BD Drive Unit FP601).

Step 34 Flip the digital P.C.B according to the diagram show.



Caution: Insulate Digital and DSP P.C.B from other parts insulating material (eg:plastic).

13 Caution for Replacing Parts

13.1. Notice after replacing Digital P.C.B.

After replacing Digital P.C.B., Test is displayed on FL.
Once power off, and start-up again.

13.2. Items that should be done after replacing parts

√: Necessary —: Unnecessary

Items that Should be done / Replacing Parts	Updating Firmware (Note 1)
Digital P.C.B.	√

Note1:
Download latest Firmware and burn it on CD-R or CD-RW, and update Firmware.

13.3. Standard Inspection Specifications after Making Repairs

After making repairs, we recommend performing the following inspection, to check normal operation.

No.	Procedure	Item to Check
1	Turn on the power, and confirm items pointed out.	Items pointed out should reappear.
2	Insert RAM disc.	The Panasonic RAM disc should be recognized.
4	Perform playback for one minute using the RAM disc.	No abnormality should be seen in the picture, sound or operation. *Panasonic DVD-RAM disc should be used when recording and playback.
5	Perform playback for one minute using the BD-Video disc.	No abnormality should be seen in the picture, sound or operation.
6	If a problem is caused by a BD-Video disc, VCD, DVD-R, DVD-Video, Audio-CD, or MP3, playback the test disc.	No abnormality should be seen in the picture, sound or operation.
7	After checking and making repairs, upgrade the firmware to the latest version.	Make sure that [UPD OK] appear in the FL Displays. *[UNSUPPORT] display means the unit is already updated to newest same version. Then version up is not necessary.
8	Transfer [9][9] in the service mode setting, and initialize the service setting (return various settings and error information to their default values. The laser time is not included in this initialization).	Make sure that [CLR] appears in the FL display. After checking it, turn the power off.

Use the following checklist to establish the judgment creteria for the picture and sound.

Item	Contents	Check	Item	Contents	Check
Picture	Block Noise		Sound	Distorted sound	
	Crosscut noise			Noise (static, background noise, etc.)	
	Dot noise			The sound level is too low	
	Picture disruption			The sound level is too high	
	Not bright enough			The sound level change	
	Too bright				
	Flickering color				
	Color fading				

14 Voltage and Waveform Chart

14.1. DSP P.C.B. (IC3001 ~ IC3004)

REF NO.	IC3001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	1.2	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	1.2	3.3	3.3	3.3	3.3	0	3.3	3.3	1.2	0
STANDBY	1.2	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	1.2	3.3	3.3	3.3	3.3	0	3.3	3.3	1.2	0
REF NO.	IC3001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	3.3	1.2	0	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3
STANDBY	3.3	1.2	0	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3
REF NO.	IC3001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	3.3	0	1.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	1.2	0	3.3	3.3	0	3.3	0	3.3
STANDBY	3.3	0	1.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	1.2	0	3.3	3.3	0	3.3	0	3.3
REF NO.	IC3001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	0	0	1.2	0	3.3	0	0	3.3	3.3	3.3	0	1.2	0	3.3	3.3	0	0	0	1.2	0
STANDBY	0	0	1.2	0	3.3	0	0	3.3	3.3	3.3	0	1.2	0	3.3	3.3	0	0	0	1.2	0
REF NO.	IC3001																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	1.2	0	1.7	1.6	3.3	0	1.2	0	0	3.3	0	0	0	0	0	3.3	0	0	0	0
STANDBY	1.2	0	1.7	1.6	3.3	0	1.2	0	0	3.3	0	0	0	0	0	3.3	0	0	0	0
REF NO.	IC3001																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
CD PLAY	0	3.3	3.3	1.2	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	3.3	1.5	0	1.2	3.3	3.3
STANDBY	0	3.3	3.3	1.2	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	3.3	1.5	0	1.2	3.3	3.3
REF NO.	IC3001																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
CD PLAY	3.3	0	0	0	1.7	0	1.2	0	3.3	1.7	1.7	1.7	1.7	3.3	3.3	3.3	0.3	1.2	3.3	0
STANDBY	3.3	0	0	0	1.7	0	1.2	0	3.3	1.7	1.7	1.7	1.7	3.3	3.3	3.3	0	1.2	3.3	0
REF NO.	IC3001																			
MODE	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
CD PLAY	1.2	0	1.7	0	0	0	1.5	0	1.7	3.3	0	1.2	0	1.2	0	1.2	1.2	1.2	0	1.2
STANDBY	1.2	0	1.7	0	0	0	0	0	1.7	3.3	0	1.2	0	1.2	0	1.2	1.2	1.2	0	1.2
REF NO.	IC3001																			
MODE	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
CD PLAY	1.2	1.2	0	0	0	0	1.2	0	0	0	0	3.3	3.3	3.3	0.1	0	0.1	0.1	3.3	0
STANDBY	1.2	1.2	0	0	0	0	1.2	0	0	0	0	3.3	3.3	3.3	0.1	0	0.1	0.1	3.3	0
REF NO.	IC3001																			
MODE	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
CD PLAY	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	0	3.3	3.3	3.3	0.2	0.2	3.3
STANDBY	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	0	3.3	3.3	3.3	0.2	0.2	3.3
REF NO.	IC3001																			
MODE	201	202	203	204	205	206	207	208												
CD PLAY	3.3	3.3	3.3	0	3.3	3.3	3.3	1.2												
STANDBY	3.3	3.3	3.3	0	3.3	3.3	3.3	1.2												
REF NO.	IC3002																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	0	0	3.3	0	0	3.3	3.3	0	0	1.8	0	0	3.3	0	3.3
STANDBY	0	0	0	0	0	0	0	3.3	0	0	3.3	3.3	0	0	1.7	0	0	3.3	0	3.3
REF NO.	IC3002																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	3.3	3.3	0	0	3.3	0	3.3	3.3	1.3	3.3	1.3	3.3	1.3	3.3	1.3	3.3	3.3	1.3	3.3
STANDBY	0	3.3	3.3	0	0	3.3	0	3.3	3.3	1.3	3.3	1.3	3.3	1.3	3.3	1.4	3.3	3.3	1.4	3.3
REF NO.	IC3002																			
MODE	41	42	43	44	45	46	47	48												
CD PLAY	1.4	3.3	1.3	3.3	0	0	0	0												
STANDBY	1.4	3.3	1.5	3.3	0	0	0	0												
REF NO.	IC3003																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	0	3.3
STANDBY	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	0	3.3
REF NO.	IC3003																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	3.3	3.3	3.3	0	0	3.3	0	3.3	3.3	0	0	3.3	1.6	0	0	3.3	3.3	3.3
STANDBY	0	0	3.3	3.3	3.3	0	0	3.3	0	3.3	3.3	0	0	3.3	1.6	0	0	3.3	3.3	3.3
REF NO.	IC3003																			
MODE	41	42	43	44	45	46	47	48	19	50										
CD PLAY	0	3.3	3.3	3.3	3.3	3.3	0	3.3	0	0										
STANDBY	0	3.3	3.3	3.3	3.3	3.3	0	3.3	0	0										
REF NO.	IC3004																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	0	3.3
STANDBY	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	0	3.3
REF NO.	IC3004																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	3.3	3.3	3.3	0	0	3.3	0	3.3	3.3	0	0	3.3	1.6	0	0	3.3	3.3	3.3
STANDBY	0	0	3.3	3.3	3.3	0	0	3.3	0	3.3	3.3	0	0	3.3	1.6	0	0	3.3	3.3	3.3
REF NO.	IC3004																			
MODE	41	42	43	44	45	46	47	48	49	50										
CD PLAY	0	3.3	3.3	3.3	3.3	3.3	0	3.3	0	0										
STANDBY	0	3.3	3.3	3.3	3.3	3.3	0	3.3	0	0										

14.2. DSP P.C.B. (IC3101 ~ IC3104)

REF NO.	IC3101																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	1.2	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	1.2	3.3	3.3	3.3	3.3	0	3.3	3.3	1.2	0
STANDBY	1.2	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	1.2	3.3	3.3	3.3	3.3	0	3.3	3.3	1.2	0
REF NO.	IC3101																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	3.3	1.2	0	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3
STANDBY	3.3	1.2	0	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3
REF NO.	IC3101																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	3.3	0	1.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	1.2	0	3.3	0	0	0	3.3	3.3
STANDBY	3.3	0	1.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	1.2	1.2	0	3.3	0	0	0	3.3	3.3
REF NO.	IC3101																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	0	0	1.2	0	3.3	3.3	0	3.3	3.3	0	0	1.2	0	3.3	0	0	0	0	1.2	0
STANDBY	0	0	1.2	0	3.3	3.3	0	3.3	3.3	0	0	1.2	0	3.3	0	0	0	0	1.2	0
REF NO.	IC3101																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	1.2	0	1.7	1.6	3.3	0	0	0	0	3.3	0	0	0	0	0	3.3	0	0	0	0
STANDBY	1.2	0	1.7	1.6	3.3	0	0	0	0	3.3	0	0	0	0	0	3.3	0	0	0	0
REF NO.	IC3101																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
CD PLAY	0	3.3	3.3	1.2	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	3.3	1.6	0	1.2	3.3	3.3
STANDBY	0	3.3	3.3	1.2	1.2	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	3.3	1.6	0	1.2	3.3	3.3
REF NO.	IC3101																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
CD PLAY	3.3	0	0	0	1.7	0	1.2	0	3.3	1.7	1.7	1.7	1.7	0	0.7	0	1.5	1.2	3.3	0
STANDBY	3.3	0	0	0	1.7	0	1.2	0	3.3	1.7	1.7	1.7	1.7	0	0	0	0	1.2	3.3	0
REF NO.	IC3101																			
MODE	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
CD PLAY	1.2	0	1.7	0	0	0	1.6	0	0	3.3	0	1.2	0	1.2	0	1.2	1.2	1.2	0	1.2
STANDBY	1.2	0	1.7	0	0	0	0	0	0	3.3	0	1.2	0	1.2	0	1.2	1.2	1.2	0	1.2
REF NO.	IC3101																			
MODE	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
CD PLAY	1.2	1.2	3.3	0	0	0	1.2	0	0	0	0	3.3	3.3	1.2	0.1	0.1	0.1	0.1	3.3	0
STANDBY	1.2	1.2	3.3	0	0	0	1.2	0	0	0	0	3.3	3.3	1.2	0.1	0.1	0.1	0.1	3.3	0
REF NO.	IC3101																			
MODE	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
CD PLAY	1.2	0	1.7	1.7	1.7	1.7	3.3	3.3	3.3	3.3	3.3	0	1.2	0	3.3	3.3	3.3	0.2	0.2	3.3
STANDBY	1.2	0	1.7	1.7	1.7	1.7	3.3	3.3	3.3	3.3	3.3	0	1.2	0	3.3	3.3	3.3	0.2	0.2	3.3
REF NO.	IC3101																			
MODE	201	202	203	204	205	206	207	208												
CD PLAY	3.3	3.3	3.3	0	3.3	3.3	3.3	1.2												
STANDBY	3.3	3.3	3.3	0	3.3	3.3	3.3	1.2												
REF NO.	IC3102																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	0	0	3.3	0	0	3.3	3.3	0	0	1.8	0	0	3.3	0	3.3
STANDBY	0	0	0	0	0	0	0	3.3	0	0	3.3	3.3	0	0	1.7	0	0	3.3	0	3.3
REF NO.	IC3102																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	3.3	3.3	0	0	3.3	0	3.3	3.3	1.3	3.3	1.3	3.3	1.3	3.3	1.3	3.3	3.3	1.3	3.3
STANDBY	0	3.3	3.3	0	0	3.3	0	3.3	3.3	1.3	3.3	1.3	3.3	1.3	3.3	1.4	3.3	3.3	1.4	3.3
REF NO.	IC3102																			
MODE	41	42	43	44	45	46	47	48												
CD PLAY	1.4	3.3	1.3	3.3	0	0	0	0												
STANDBY	1.4	3.3	1.5	3.3	0	0	0	0												
REF NO.	IC3103																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	0	3.3
STANDBY	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	0	3.3
REF NO.	IC3103																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	3.3	3.3	3.3	0	0	3.3	0	3.3	3.3	0	0	3.3	1.6	0	0	3.3	3.3	3.3
STANDBY	0	0	3.3	3.3	3.3	0	0	3.3	0	3.3	3.3	0	0	3.3	1.6	0	0	3.3	3.3	3.3
REF NO.	IC3103																			
MODE	41	42	43	44	45	46	47	48	19	50										
CD PLAY	0	3.3	3.3	3.3	3.3	3.3	0	3.3	0	0										
STANDBY	0	3.3	3.3	3.3	3.3	3.3	0	3.3	0	0										
REF NO.	IC3104																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	0	3.3
STANDBY	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	3.3	0	3.3	3.3	3.3	3.3	0	3.3
REF NO.	IC3104																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	3.3	3.3	3.3	0	0	3.3	0	3.3	3.3	0	0	3.3	1.6	0	0	3.3	3.3	3.3
STANDBY	0	0	3.3	3.3	3.3	0	0	3.3	0	3.3	3.3	0	0	3.3	1.6	0	0	3.3	3.3	3.3
REF NO.	IC3104																			
MODE	41	42	43	44	45	46	47	48	49	50										
CD PLAY	0	3.3	3.3	3.3	3.3	3.3	0	3.3	0	0										
STANDBY	0	3.3	3.3	3.3	3.3	3.3	0	3.3	0	0										

14.3. DSP P.C.B. (IC3201 ~ QR3601)

REF NO.	IC3201																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
CD PLAY	2.2	2.5	0	2.5	0	5.1	3.3	0	1.2	1.7	1.7	1.7	3.3	3.3	0	0				
STANDBY	2.2	2.5	0	2.5	0	5.1	3.3	0	1.2	1.7	1.7	1.7	3.3	3.3	0	0				
REF NO.	IC3401																			
MODE	1	2	3	4	5															
CD PLAY	0	0.2	0	0.2	0															
STANDBY	0	0.2	0	0.2	0															
REF NO.	IC3402																			
MODE	1	2	3	4	5															
CD PLAY	0	1.7	0	1.7	3.3															
STANDBY	0	1.7	0	1.7	3.3															
REF NO.	IC3403																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0.2	1.7	1.6	0	1.7	3.3	0	3.3												
STANDBY	0.2	1.7	1.6	0	1.7	3.3	0	3.3												
REF NO.	IC3404																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	1.6	0	2.6	0	0	0	0	0	0	0	3.3	0	5.1	0	0	0	0.7	0.1	0	3.3
STANDBY	1.6	0	2.6	0	0	0	0	0	0	0	3.3	0	5.1	0	0	0	0.7	0.1	0	3.3
REF NO.	IC3404																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	3.3	0	1.7	1.7	0.3	1.7	1.7	1.3	1.5	1.7	3.3	3.3	0.2	0.2	3.3	3.3	3.3	3.3	1.2	1.2
STANDBY	3.3	0	1.7	1.7	0	1.7	1.7	1.2	1.5	1.7	3.3	3.3	0.2	0.2	3.3	3.3	3.3	3.3	1.2	1.2
REF NO.	IC3404																			
MODE	41	42	43	44	45	46	47	48												
CD PLAY	0	1.7	0	1.6	0	1.6	0	1.6												
STANDBY	0	1.7	0	1.6	0	1.6	0	1.6												
REF NO.	IC3501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	1.6	1.6	1.6	1.6	3.3	3.3	0.2	0.2	0	0	0	5.0	5.0	5.0	0	0	2.5	2.5	2.5	2.5
STANDBY	1.7	1.7	0	1.7	3.3	3.3	0.2	0.2	0	0	0	5.0	5.0	5.0	0	0	2.5	2.5	2.5	2.5
REF NO.	IC3501																			
MODE	21	22	23	24	25	26	27	28	29	30										
CD PLAY	2.5	2.5	0	2.5	2.5	2.5	0	5.1	0	0										
STANDBY	2.5	2.5	0	2.5	2.5	2.5	0	5.1	5.1	5.1										
REF NO.	IC3551																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	3.3	0	1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	3.3	0	3.3
STANDBY	0	3.3	0	1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	3.3	0	3.3
REF NO.	IC3601																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	5.1	4.5	1.3	1.3	0.8	0	3.5	5.1												
STANDBY	5.1	4.5	1.3	1.3	0.8	0	3.5	5.1												
REF NO.	IC3602																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	3.3	0	0	1.9	5.1	0	0	4.4												
STANDBY	3.3	0	0	1.9	5.1	0	0	4.4												
REF NO.	Q3601							QR3401				QR3601								
MODE	1	2	3	4	5	6		E	C	B		E	C	B						
CD PLAY	1.3	1.3	3.5	5.1	1.3	1.3		3.3	0	3.3		0	3.2	0.2						
STANDBY	1.3	1.3	3.5	5.1	1.3	1.3		3.3	0	3.3		0	3.2	0.2						

BT100P/PC DSP P.C.B.

14.4. D-Amp P.C.B.

REF NO.	IC5000																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.5	0.1	0.1	2.9	0	-29.3	-29.3	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29.3	-29.3	0	29
STANDBY	2.5	0.1	0.1	2.9	0	-29.3	-21	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29.3	-29.2	0	29
REF NO.	IC5000																			
MODE	21	22	23																	
CD PLAY	-0.1	-0.1	2.5																	
STANDBY	-0.1	-0.1	2.5																	
REF NO.	IC5200																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.5	-0.1	-0.1	29	0	-29.3	-29.3	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29.3	-29.3	0	29
STANDBY	2.5	-0.1	-0.1	29	0	-29.3	-29.3	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29.3	-29.3	0	29
REF NO.	IC5200																			
MODE	21	22	23																	
CD PLAY	-0.1	-0.1	2.5																	
STANDBY	-0.1	-0.1	2.5																	
REF NO.	IC5300																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.5	-0.1	-0.1	29	0	-29.3	-29.3	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29.3	-29.3	0	29
STANDBY	2.5	-0.1	-0.1	29	0	-29.3	-29.3	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29.3	-29.3	0	29
REF NO.	IC5300																			
MODE	21	22	23																	
CD PLAY	-0.1	-0.1	2.5																	
STANDBY	-0.1	-0.1	2.5																	
REF NO.	IC5400																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.5	-0.1	-0.1	29	0	-29.3	-21.2	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29.3	-29.3	0	29
STANDBY	2.5	-0.1	-0.1	29	0	-29.3	-21.2	29.3	11	-0.1	-29.5	-17.3	-29.5	-0.1	11	29.3	-29.3	-29.3	0	29
REF NO.	IC5400																			
MODE	21	22	23																	
CD PLAY	-0.1	-0.1	2.5																	
STANDBY	-0.1	-0.1	2.5																	
REF NO.	IC5500																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
CD PLAY	0	5.2	5	0	2.7	2.2	0	2.5	2.6	2.6	2.5	0	5.2	5.2						
STANDBY	0	5.2	5	0	2.7	2.2	0	2.5	2.6	2.6	2.5	0	5.2	5.2						
REF NO.	IC5501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
CD PLAY	2.5	2.6	2.5	0	2.6	0	0	0	0	0	0	0	5.2	5.2						
STANDBY	2.5	2.6	2.5	0	2.6	0	0	0	0	0	0	0	5.2	5.2						
REF NO.	Q5101				Q5102				Q5601				Q5602				Q5603			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	5.2	0		0	5.2	0		0	0	0.7		0	0	0.7		5.2	5.1	4.4	
STANDBY	0	5.2	0		0	5.2	0		0	0	0.7		0	0	0.7		5.2	5.1	4.5	
REF NO.	Q5604				Q5640				Q5641				Q5642				Q5644			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	0	0.7		6.9	16.4	7.4		0	5.2	0		0	0	0.7		0	3.7	0	
STANDBY	0	0	0.7		6.9	16.4	7.4		0	5.2	0		0	0	0.7		0	3.7	0	

BT100P/PC D-AMP P.C.B.

14.5. Main P.C.B. (IC100 ~ IC509)

REF NO.	IC100																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.3	0.7	0	3.3	0.4	3.3	3.3	3.3	3.3	3.3	0	1.6	1.6	0	0.7	3.3	3.3	1.8	3.3	3.3
STANDBY	3.3	0.8	0	3.3	0.4	3.3	3.3	3.3	3.3	3.3	0	1.6	1.6	0	0.8	3.3	3.3	1.8	3.3	3.3

REF NO.	IC100																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	3.3	3.3	0.6	3.3	3.3	3.3	3.3	0	0	3.3	0	3.3	0.1	3.3	1.5	0	1.8	3.3	0	0
STANDBY	3.3	3.3	0.8	3.3	3.3	3.3	3.3	0	0	3.3	0	3.3	0.1	3.3	1.5	0	1.8	3.3	0	0

REF NO.	IC100																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	0	3.3	0.6	0.6	0	3.3	3.3	0.7	3.3	3.3	3.3	2.0	0	0	0.7	0	0.7	3.3	3.2	0
STANDBY	0	3.3	0.5	0.5	0	3.3	3.3	0.7	3.3	3.3	3.3	2.0	0	0	0.6	0	0.6	3.3	3.2	0

REF NO.	IC100																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	3.3	0	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	0.7	0.7	1.8	3.3	3.3	3.3	3.3	0.7
STANDBY	3.3	0	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0	0.6	0.6	1.8	3.3	3.3	3.3	3.3	3.3

REF NO.	IC100																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	3.3	3.3	3.3	3.3	3.3	3.3	0	3.3	3.3	3.3	0	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
STANDBY	3.3	3.3	3.3	3.3	0	3.3	0	3.3	3.3	3.3	0	0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3

REF NO.	IC101																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.3	0	0	0	3.3	0	3.3	0	0	3.3	0	3.3	3.3	0	0	0	3.3	3.3	3.3	3.3
STANDBY	3.3	0	0	0	3.3	0	3.3	0	0	3.3	0	3.3	3.3	0	0	0	3.3	3.3	3.3	3.3

REF NO.	IC101									
MODE	21	22	23	24	25	26	27	28	29	30
CD PLAY	3.3	3.3	0	0	3.3	0	0	3.3	0	3.3
STANDBY	3.3	0	0	0	0.3	0	0	3.3	0	3.3

REF NO.	IC102				
MODE	1	2	3	4	5
CD PLAY	0	0	0	3.3	3.3
STANDBY	0	0	0	3.3	3.3

REF NO.	IC103							
MODE	1	2	3	4	5	6	7	8
CD PLAY	0	0	3.3	0	3.3	3.3	0	3.3
STANDBY	0	0	3.3	0	3.3	3.3	0	3.3

REF NO.	IC104		
MODE	1	2	3
CD PLAY	3.3	0	5.4
STANDBY	3.3	0	5.4

REF NO.	IC105							
MODE	1	2	3	4	5	6	7	8
CD PLAY	0	0	0	0	3.3	3.3	0	3.3
STANDBY	0	0	0	0	3.3	3.3	0	3.3

REF NO.	IC500																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

REF NO.	IC500											
MODE	21	22	23	24	25	26	27	28	29	30	31	32
CD PLAY	0	0	0	0	0	0	6.9	0	-6.9	0	0	0
STANDBY	0	0	0	0	0	0	6.9	0	-6.9	0	0	0

REF NO.	IC501							
MODE	1	2	3	4	5	6	7	8
CD PLAY	-5.6	1.3	0	-6.9	0	0	0	0
STANDBY	-5.6	1.3	0	-6.9	0	0	0	0

REF NO.	IC502							
MODE	1	2	3	4	5	6	7	8
CD PLAY	0	0	0	-6.9	0	0	0	6.9
STANDBY	0	0	0	-6.9	0	0	0	6.9

REF NO.	IC503							
MODE	1	2	3	4	5	6	7	8
CD PLAY	0	0	0	-6.9	0	0	0	6.9
STANDBY	0	0	0	-6.9	0	0	0	6.9

REF NO.	IC504							
MODE	1	2	3	4	5	6	7	8
CD PLAY	0	0	0	-6.9	0	0	0	6.9
STANDBY	0	0	0	-6.9	0	0	0	6.9

REF NO.	IC505							
MODE	1	2	3	4	5	6	7	8
CD PLAY	0	0	0	-6.9	0	0	0	6.9
STANDBY	0	0	0	-6.9	0	0	0	6.9

REF NO.	IC509							
MODE	1	2	3	4	5	6	7	8
CD PLAY	0	0	0	-6.9	0	0	0	6.9
STANDBY	0	0	0	-6.9	0	0	0	6.9

14.6. Main P.C.B. (IC801 ~ QR7001)

REF NO.	IC801																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.6	0	1.5	3.3	1.8	0	3.0	0	0	0	5.1	1.9	0	2.6	0	2.6	0	0	2.5	0
STANDBY	2.6	0	1.5	3.3	1.9	0	3.0	0	0	0	5.1	1.9	0	2.6	0	2.6	0	0	2.5	0
REF NO.	IC801																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		
CD PLAY	0	2.5	0	0	1.9	1.9	0	5.1	1.9	1.9	0	2.0	2.0	2.6	0	0	0	0		
STANDBY	0	2.5	0	0	2.0	2.0	0	5.1	2.0	2.0	0	2.0	2.0	2.6	0	0	0	0		
REF NO.	IC1001																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	5.6	5.6	3.3	1.2	0	0	0												
STANDBY	0	5.6	5.6	3.3	1.2	0	0	0												
REF NO.	IC1101																			
MODE	1	2	3	4	5															
CD PLAY	0	0	0	0.2	0.2															
STANDBY	0	0	0	0.1	0.1															
REF NO.	IC1102																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-6.9	0	0	0	6.9												
STANDBY	0	0	0	-6.9	0	0	0	6.9												
REF NO.	IC1103																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.3	1.9	2.7	1.2	0	0	3.3	0	0	0	3.3	0	0	0.9	3.3	0	3.3	0	0	0
STANDBY	3.3	1.9	2.7	1.2	0	0	3.3	0	0	0	3.3	0	0	0.9	3.3	0	3.3	0	0	0
REF NO.	IC1103																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	3.3	1.2	3.3	1.0	0	0	0	0	0	0	0	0	1.1	2.9	3.3	3.3	3.3	0	3.3
STANDBY	0	3.3	1.2	3.3	1.1	0	0	0	0	0	0	0	0	0.9	2.8	3.3	3.3	3.3	0	3.3
REF NO.	IC7001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	1.8	2.5	2.1	-	-	0	-	-	17.2	21.0	-	22.4	-	-	19.7	-	-	2.1	2.5	2.5
STANDBY	1.8	2.5	2.1	-	-	0	-	-	17.3	21.2	-	22.5	-	-	19.8	-	-	2.1	2.5	2.5
REF NO.	IC7002									IC7003										
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5						
CD PLAY	3.3	0	0	1.9	5.2	0	0	5.2		11.5	11.5	8.9	0	0						
STANDBY	3.3	0	0	1.9	5.2	0	0	5.2		11.5	11.5	8.9	0	0						
REF NO.	Q101				Q102							Q500								
MODE	E	C	B		1	2	3	4	5	6		E	C	B						
CD PLAY	1.8	1.8	1.2		0	0.7	0	0	0.7	0		3.4	3.8	3.3						
STANDBY	1.8	1.8	1.2		0	0.7	0	0	0.7	0		2.2	2.2	1.5						
REF NO.	Q502							Q503							Q504					
MODE	1	2	3	4	5	6		1	2	3	4	5	6		1	2	3	4	5	6
CD PLAY	0	-3.8	0	0	-3.8	0		0	-6.9	0	0	-6.9	0		0	0.7	0	0	0.7	0
STANDBY	0	0.7	0	0	0.7	0		0	0.6	0	0	0.6	0		0	0.7	0	0	0.7	0
REF NO.	Q506							Q507							Q508					
MODE	1	2	3	4	5	6		1	2	3	4	5	6		1	2	3	4	5	6
CD PLAY	0	-3.8	0	0	-3.8	0		0	-3.8	0	0	-3.8	0		0	-3.8	0	0	-3.8	0
STANDBY	0	-3.8	0	0	-3.8	0		0	-3.8	0	0	-3.8	0		0	-3.8	0	0	-3.8	0
REF NO.	Q509				Q510							Q520								
MODE	E	C	B		1	2	3	4	5	6		1	2	3	4	5	6			
CD PLAY	3.3	-3.8	3.3		0	-3.8	0	0	-3.8	0		0	-6.9	0	0	-6.9	0			
STANDBY	3.3	-3.8	3.3		0	-3.8	0	0	-3.8	0		0	0.6	0	0	0.6	0			
REF NO.	Q1101				Q1102				Q1103				Q7001							
MODE	E	C	B		E	C	B		E	C	B		E	C	B					
CD PLAY	0	3.3	0		3.2	3.2	2.5		1.5	1.5	0.8		0	3.7	0					
STANDBY	0	3.3	0		3.2	3.2	2.5		1.5	1.5	0.8		0	3.7	0					
REF NO.	Q7002							Q7003							Q7004					
MODE	1	2	3	4	5	6		1	2	3	4	5	6		E	C	B			
CD PLAY	11.5	11.5	19.6	22.3	11.5	11.5		5.3	5.3	21.1	22.3	5.3	5.3		-6.9	-11.5	-7.5			
STANDBY	11.5	11.5	19.6	22.3	11.5	11.5		5.3	5.3	21.1	22.3	5.3	5.3		-6.9	-11.5	-7.5			
REF NO.	Q7005				Q7006				Q7007				Q7008				QR101			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	-7.5	-0.6		7.0	11.4	7.6		0	3.3	-1.2		0	3.3	-2.3		0	5.0	0	
STANDBY	0	-7.5	-0.6		6.9	11.4	7.6		0	3.3	-1.2		0	3.3	-2.3		0	5.0	0	
REF NO.	QR504				QR801				QR802				QR803							
MODE	E	C	B		E	C	B		E	C	B		E	C	B					
CD PLAY	3.3	-6.9	3.3		0	3.7	0		0	0	3.3		0	0	3.7					
STANDBY	1.2	1.2	0.3		0	3.7	0		0	0	3.3		0	0	3.7					
REF NO.	QR1101				QR1102				QR7001											
MODE	E	C	B		E	C	B		E	C	B									
CD PLAY	0	0	3.2		0	0	3.2		0	3.3	0									
STANDBY	0	0	3.2		0	0	3.2		0	3.3	0									

BT100P/PC MAIN P.C.B.

14.7. Panel P.C.B. (IC6001 ~ Q6003)

REF NO.	IC6001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	2.0	1.3	0.1	0.1	3.3	1.3	1.3	0	3.3	-25.3	-22	-23	-23	-19	-21	-16
STANDBY	0	0	0	0	1.9	1.3	0.1	0.1	3.3	1.3	1.3	0	3.3	-25.4	-22	-23	-23.1	-20.	8	-23.1
REF NO.	IC6001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	-25.4	-25.3	-25.3	-19	-20.7	-23.1	-23.1	-25.3	-25.3	-25.8	-14	-16.3	-23.7	-23.3	-23.3	-23.3	-23.3	-23.3	-23.2	-23.2
STANDBY	-25.4	-25.4	-25.4	-18.4	-18.4	-25.4	-25.4	-25.4	-18.5	-25.9	-14	-21	-23.8	-23.4	-23.4	-23.4	-23.4	-23.4	-23.3	-23.3
REF NO.	IC6001																			
MODE	41	42	43	44																
CD PLAY	-23.2	-23.3	3.3	0																
STANDBY	-23.3	-23.2	-3.3	0																
REF NO.	Q6001				Q6002				Q6003											
MODE	E	C	B		E	C	B		E	C	B									
CD PLAY	0	4.8	0		0	5.0	0		0	5.0	0									
STANDBY	0	4.8	0		0	5.0	0		0	5.0	0									

BT100P/PC PANEL P.C.B.

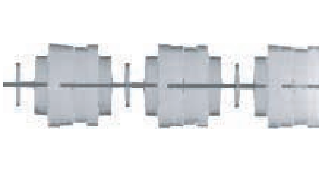
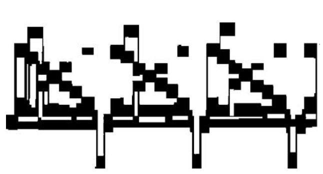
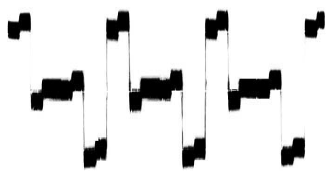
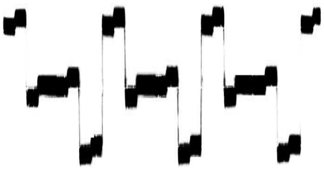
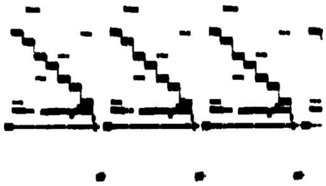
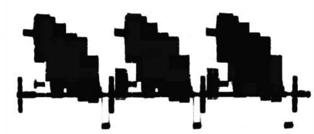
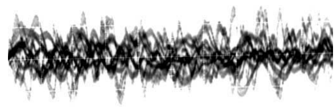
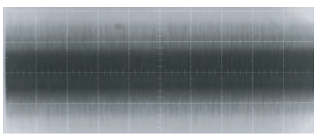
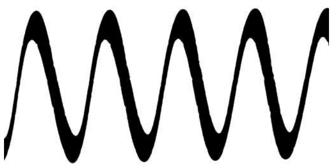
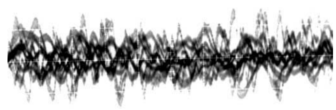
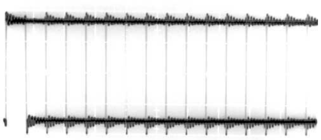
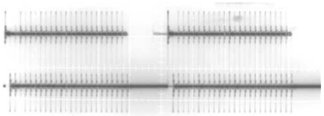
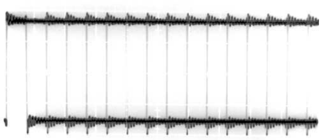
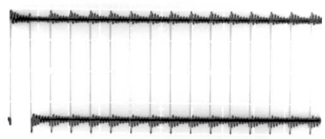
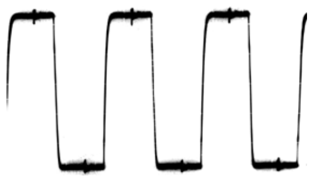
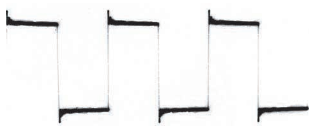
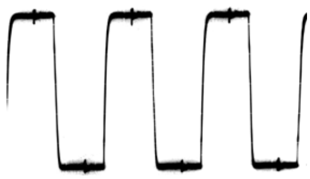
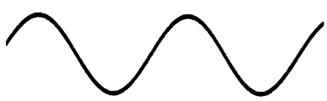
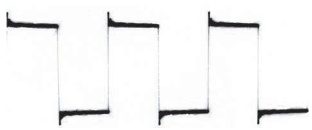
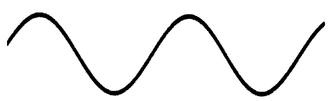
14.8. SMPS P.C.B. (IC5701 ~ QR5801)

REF NO.	IC5701																			
MODE	1	2	3	4	5	6	7													
CD PLAY	162	0	0	19.3	0.1	1.4	0.5													
STANDBY	162	0	0	19.3	0.1	1.4	0.5													
REF NO.	IC5799																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	6.0	1.6	1.8	20.3	162.2	-	0	0												
STANDBY	6.0	1.6	2.0	20.3	163.0	-	0	0												
REF NO.	IC5801																			
MODE	1	2	3																	
CD PLAY	-2.2	-29.5	-26.8																	
STANDBY	-2.2	-29.5	-26.8																	
REF NO.	IC5899																			
MODE	1	2	3																	
CD PLAY	4.2	0	2.5																	
STANDBY	4.2	0	2.5																	
REF NO.	Q5720				Q5721				Q5722				Q5802				Q5803			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	5.9	6.5	5.6		19.9	19.9	19.2		0	17.0	0.1		-21.9	-2.2	-22		0	5.8	0	
STANDBY	5.9	6.6	5.6		19.9	19.9	19.2		0	16.8	0.1		-21.8	-2.2	-22		0	5.8	0	
REF NO.	Q5860				Q5861				Q5862				Q5898							
MODE	E	C	B		E	C	B		E	C	B		E	C	B					
CD PLAY	1.3	0	0.7		0	0	0.7		0	5.2	0		0	3.2	0.5					
STANDBY	1.3	0	0.7		0	0	0.7		0	5.2	0		0	3.2	0.5					
REF NO.	QR5801				QR5810															
MODE	E	C	B		E	C	B													
CD PLAY	0	5.0	0		0	0.1	5													
STANDBY	0	5.0	0		0	0	5													

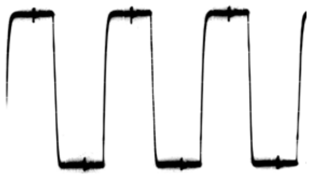
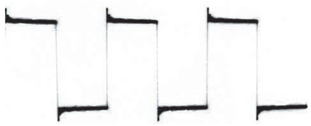
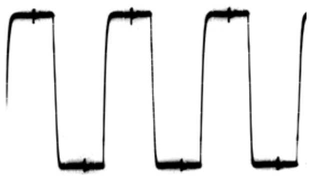
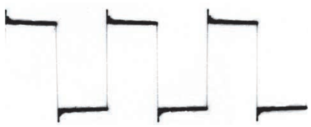
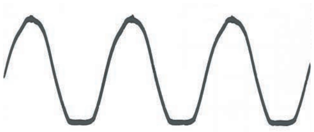
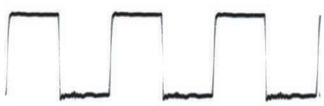
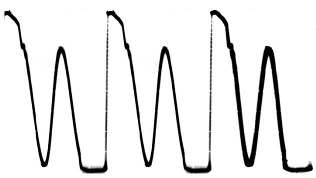
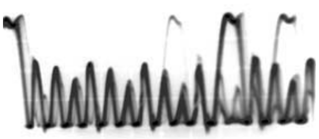
BT100P/PC SMPS P.C.B.

14.9. Waveform Chart

14.9.1. Waveform 1

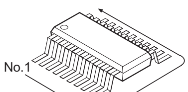
WF No. IC801-1 (PLAY)  0.6Vp-p(20usec/div)	WF No. IC801-5,12 (PLAY)  1.1Vp-p(20usec/div)	WF No. IC801-14,22 (PLAY)  0.48Vp-p(20usec/div)	WF No. IC801-16 (PLAY)  0.48Vp-p(20usec/div)
WF No. IC801-19 (PLAY)  0.96Vp-p(20usec/div)	WF No. IC801-26 (PLAY)  2.1Vp-p(20usec/div)	WF No. IC801-32 (PLAY)  2.2Vp-p(20usec/div)	WF No. IC500-9,10 (PLAY)  1.2Vp-p(2msec/div)
WF No. IC500-11,20 (PLAY)  0.15Vp-p(500usec/div)	WF No. IC500-12,19 (PLAY)  0.4Vp-p(500usec/div)	WF No. IC6001-5 (PLAY)  1.4Vp-p(2usec/div)	WF No. IC3201-1,2 (PLAY)  0.9Vp-p(2msec/div)
WF No. IC3201-9 (PLAY)  6Vp-p(500nsec/div)	WF No. IC3404-25,28 (PLAY)  4Vp-p(1usec/div)	WF No. IC3404-42 (PLAY)  3.4Vp-p(500nsec/div)	WF No. IC3501-3 (PLAY)  3.4Vp-p(500nsec/div)
WF No. IC5000-1 (PLAY)  5.6Vp-p(1usec/div)	WF No. IC5000-2 (PLAY)  0.84Vp-p(200usec/div)	WF No. IC5000-10,14 (PLAY)  80Vp-p(1usec/div)	WF No. IC5000-22 (PLAY)  0.84Vp-p(200usec/div)
WF No. IC5200-1 (PLAY)  5.6Vp-p(1usec/div)	WF No. IC5200-2 (PLAY)  0.84Vp-p(200usec/div)	WF No. IC5200-10,14 (PLAY)  80Vp-p(1usec/div)	WF No. IC5200-22 (PLAY)  0.84Vp-p(200usec/div)

14.9.2. Waveform 2

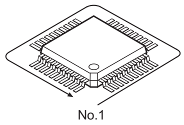
WF No. IC5300-1 (PLAY)  5.6Vp-p(1usec/div)	WF No. IC5300-2 (PLAY)  0.84Vp-p(200usec/div)	WF No. IC5300-10,14 (PLAY)  80Vp-p(1usec/div)	WF No. IC5300-22 (PLAY)  0.84Vp-p(200usec/div)
WF No. IC5400-1 (PLAY)  5.6Vp-p(1usec/div)	WF No. IC5400-2 (PLAY)  0.84Vp-p(200usec/div)	WF No. IC5400-10,14 (PLAY)  80Vp-p(1usec/div)	WF No. IC5400-22 (PLAY)  0.84Vp-p(200usec/div)
WF No. IC5500-5 (PLAY)  7.2Vp-p(500nsec/div)	WF No. IC5500-8 (PLAY)  5.6Vp-p(500usec/div)	WF No. IC5701-1 (PLAY)  400Vp-p(2usec/div)	WF No. IC5701-4,6 (PLAY)  2Vp-p(5usec/div)
WF No. IC5799-2 (PLAY)  2Vp-p(5usec/div)	WF No. IC5799-3 (PLAY)  9.6Vp-p(5usec/div)	WF No. IC5799-5 (PLAY)  240Vp-p(50usec/div)	

15 Illustration of IC's, Transistors and Diodes

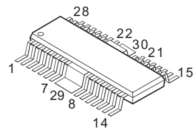
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C0DBZYE00002 (8p) C0DBAYY00333 (20p)
C0ABBB000189 (8p) C0FBBK000049 (24p)
C0DBZYY00018 (8p) C1CB00002777 (28p)
C0JBAB000902 (14p) C0FBBK000044 (30p)
C0JBAF000716 (14p) C0JBAZ002843 (30p)
C0DBAYH00003 (16p) C1AB00002750 (32p)
C0FBAK000026 (16p) C3ABMG000238 (50p)



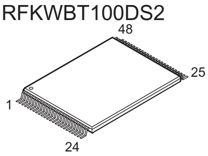
MFI341S2095 (40p)
C0HBB0000057 (44p)
C1BB00000692 (48p)
MN103SF73NXW (100p)
C2HBZY000027 (280p)
C2HBZY000028 (280p)



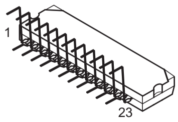
C1AB00002822 (28p)



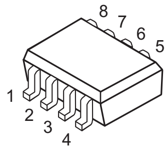
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RFKWBT100DS2



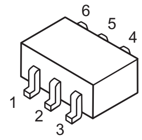
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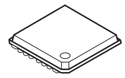
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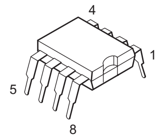
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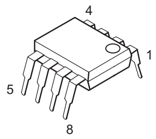
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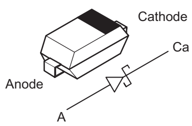
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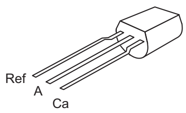
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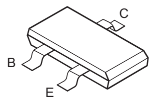


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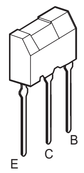
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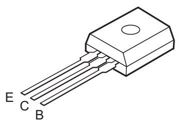


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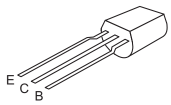
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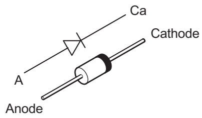
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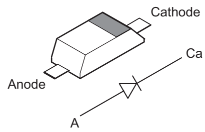
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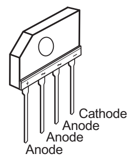
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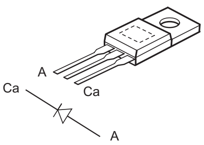
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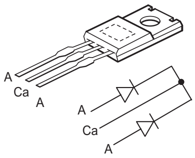
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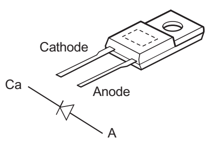
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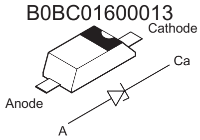
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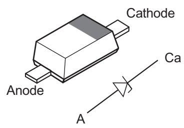


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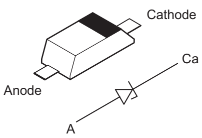
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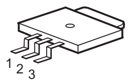


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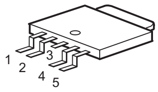
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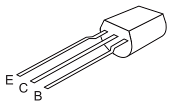
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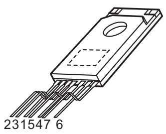
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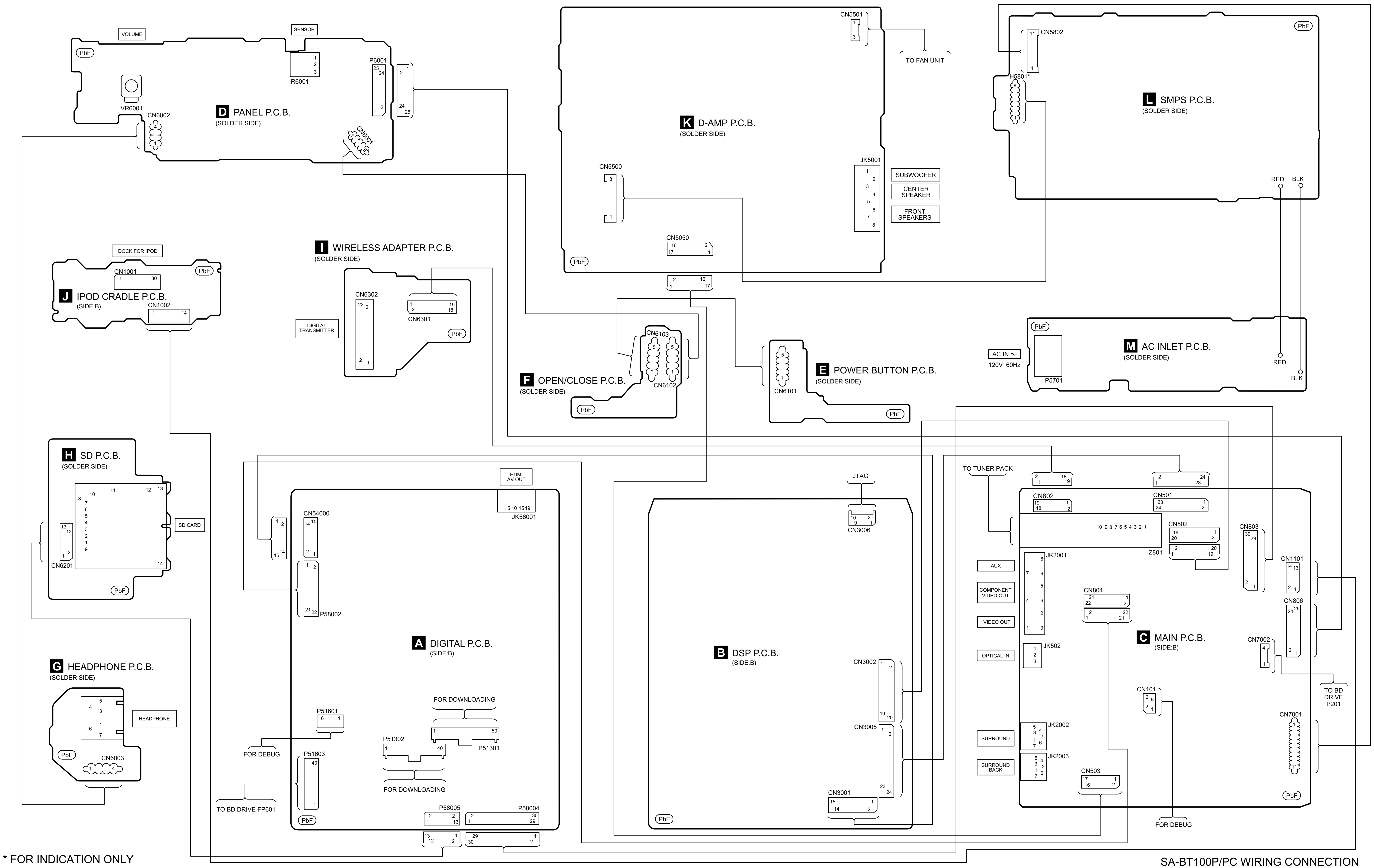
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16 Wiring Connection Diagram

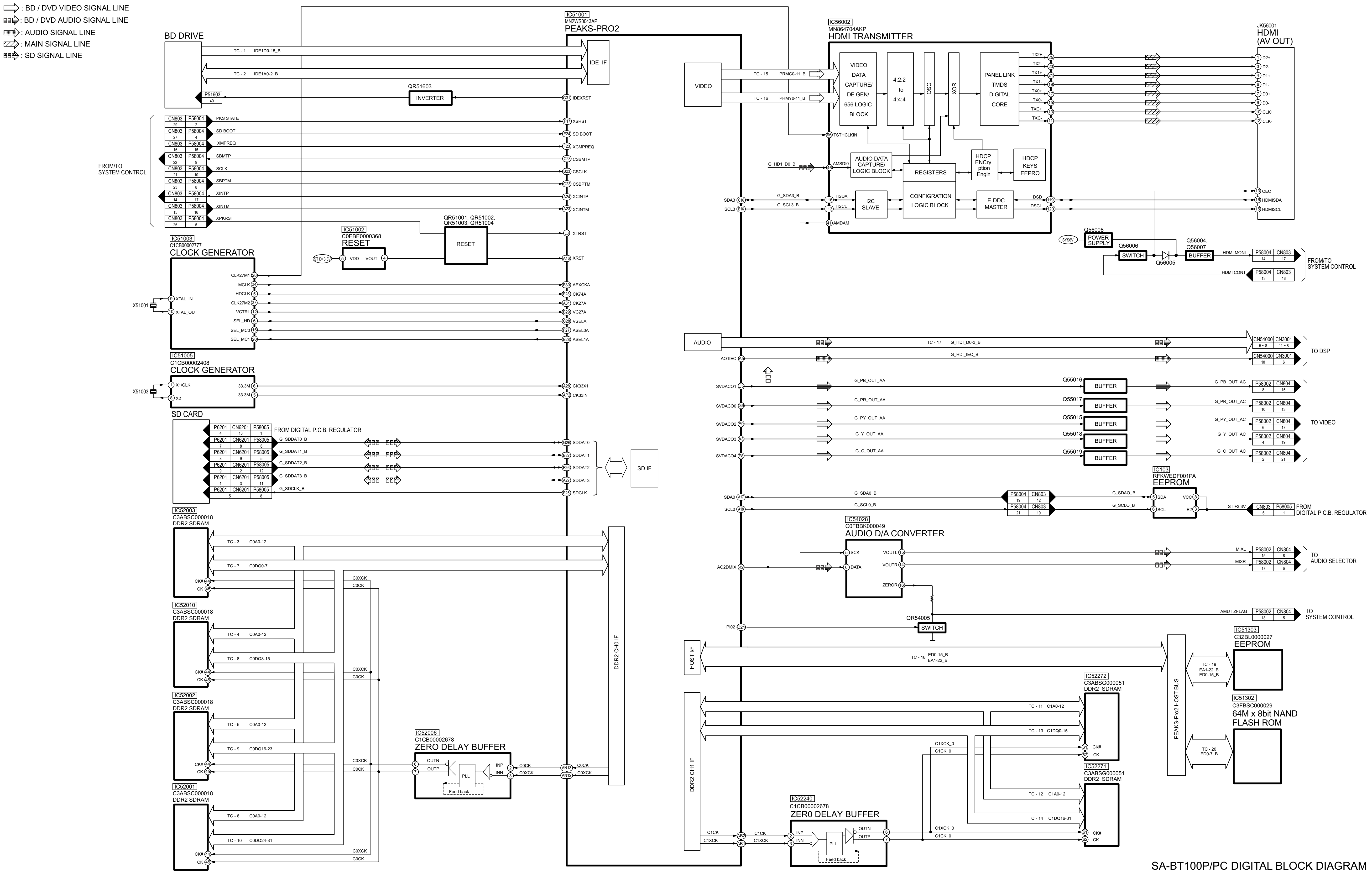


* FOR INDICATION ONLY

SA-BT100P/PC WIRING CONNECTION

17 Block Diagram

17.1. Digital



SA-BT100P/PC DIGITAL BLOCK DIAGRAM

17.2. IC Terminal (Digital) Chart

TC	IC51001 / PEAKS-Pro2		SIGNAL NAME	P51603 (TO BD DRIVE)	
	Port Name	Pin No		Pin No	Port Name
1	IDED0	J30	IDE1D0_B	24	DD0
	IDED1	J29	IDE1D1_B	26	DD1
	IDED2	E34	IDE1D2_B	28	DD2
	IDED3	J28	IDE1D3_B	30	DD3
	IDED4	E33	IDE1D4_B	32	DD4
	IDED5	D34	IDE1D5_B	34	DD5
	IDED6	E32	IDE1D6_B	36	DD6
	IDED7	D33	IDE1D7_B	38	DD7
	IDED8	G30	IDE1D8_B	37	DD8
	IDED9	F32	IDE1D9_B	35	DD9
	IDED10	H29	IDE1D10_B	33	DD10
	IDED11	H30	IDE1D11_B	31	DD11
	IDED12	G32	IDE1D12_B	29	DD12
	IDED13	F33	IDE1D13_B	27	DD13
	IDED14	F34	IDE1D14_B	25	DD14
	IDED15	H32	IDE1D15_B	23	DD15

TC	IC51001 / PEAKS-Pro2		SIGNAL NAME	P51603 (TO BD DRIVE)	
	Port Name	Pin No		Pin No	Port Name
2	IDEA0	L28	IDE1A0_B	6	DA0
	IDEA1	H33	IDE1A1_B	8	DA1
	IDEA2	H34	IDE1A2_B	5	DA2

TC	IC51001 / PEAKS-Pro2		SIGNAL NAME	IC52003 / SD RAM	
	Port Name	Pin No		Pin No	Port Name
3	C0A0	AL15	C0A0	15	A0(8H)
	C0A1	AP13	C0A1	14	A1(3H)
	C0A2	AK14	C0A2	13	A2(7H)
	C0A3	AN14	C0A3	12	A3(2J)
	C0A4	AH17	C0A4	11	A4(8J)
	C0A5	AJ14	C0A5	10	A5(3J)
	C0A6	AP10	C0A6	9	A6(7J)
	C0A7	AP16	C0A7	8	A7(2K)
	C0A8	AN11	C0A8	7	A8(8K)
	C0A9	AJ12	C0A9	6	A9(3K)
	C0A10	AM14	C0A10	5	A10(2H)
	C0A11	AJ17	C0A11	4	A11(7K)
	C0A12	AN16	C0A12	3	A12(2L)

TC	IC51001 / PEAKS-Pro2		SIGNAL NAME	IC52010 / SD RAM	
	Port Name	Pin No		Pin No	Port Name
4	C0A0	AL15	C0A0	15	A0(8H)
	C0A1	AP13	C0A1	14	A1(3H)
	C0A2	AK14	C0A2	13	A2(7H)
	C0A3	AN14	C0A3	12	A3(2J)
	C0A4	AH17	C0A4	11	A4(8J)
	C0A5	AJ14	C0A5	10	A5(3J)
	C0A6	AP10	C0A6	9	A6(7J)
	C0A7	AP16	C0A7	8	A7(2K)
	C0A8	AN11	C0A8	7	A8(8K)
	C0A9	AJ12	C0A9	6	A9(3K)
	C0A10	AM14	C0A10	5	A10(2H)
	C0A11	AJ17	C0A11	4	A11(7K)
	C0A12	AN16	C0A12	3	A12(2L)

TC	IC51001 / PEAKS-Pro2		SIGNAL NAME	IC52002 / SD RAM	
	Port Name	Pin No		Pin No	Port Name
5	C0A0	AL15	C0A0	15	A0(8H)
	C0A1	AP13	C0A1	14	A1(3H)
	C0A2	AK14	C0A2	13	A2(7H)
	C0A3	AN14	C0A3	12	A3(2J)
	C0A4	AH17	C0A4	11	A4(8J)
	C0A5	AJ14	C0A5	10	A5(3J)
	C0A6	AP10	C0A6	9	A6(7J)
	C0A7	AP16	C0A7	8	A7(2K)
	C0A8	AN11	C0A8	7	A8(8K)
	C0A9	AJ12	C0A9	6	A9(3K)
	C0A10	AM14	C0A10	5	A10(2H)
	C0A11	AJ17	C0A11	4	A11(7K)
	C0A12	AN16	C0A12	3	A12(2L)

TC	IC51001 / PEAKS-Pro2		SIGNAL NAME	IC52001 / SD RAM	
	Port Name	Pin No		Pin No	Port Name
6	C0A0	AL15	C0A0	15	A0(8H)
	C0A1	AP13	C0A1	14	A1(3H)
	C0A2	AK14	C0A2	13	A2(7H)
	C0A3	AN14	C0A3	12	A3(2J)
	C0A4	AH17	C0A4	11	A4(8J)
	C0A5	AJ14	C0A5	10	A5(3J)
	C0A6	AP10	C0A6	9	A6(7J)
	C0A7	AP16	C0A7	8	A7(2K)
	C0A8	AN11	C0A8	7	A8(8K)
	C0A9	AJ12	C0A9	6	A9(3K)
	C0A10	AM14	C0A10	5	A10(2H)
	C0A11	AJ17	C0A11	4	A11(7K)
	C0A12	AN16	C0A12	3	A12(2L)

TC	IC51001 / PEAKS-Pro2		SIGNAL NAME	IC52003 / SD RAM	
	Port Name	Pin No		Pin No	Port Name
7	C0DQ0	AK19	C0DQ0	22	DQ4(1D)
	C0DQ1	AJ20	C0DQ1	20	DQ6(1B)
	C0DQ2	AN20	C0DQ2	26	DQ0(8C)
	C0DQ3	AL21	C0DQ3	23	DQ3(3D)
	C0DQ4	AJ21	C0DQ4	21	DQ5(9D)
	C0DQ5	AH21	C0DQ5	19	DQ7(9B)
	C0DQ6	AM21	C0DQ6	25	DQ1(2C)
	C0DQ7	AP21	C0DQ7	24	DQ2(7D)

TC	IC51001 / PEAKS-Pro2		SIGNAL NAME	IC52010 / SD RAM	
	Port Name	Pin No		Pin No	Port Name
8	C0DQ8	AL18	C0DQ8	26	DQ0(8C)
	C0DQ9	AJ18	C0DQ9	24	DQ2(7D)
	C0DQ10	AP18	C0DQ10	20	DQ6(1B)
	C0DQ11	AM18	C0DQ11	25	DQ1(2C)
	C0DQ12	AH18	C0DQ12	21	DQ5(9D)
	C0DQ13	AK17	C0DQ13	19	DQ7(9B)
	C0DQ14	AN17	C0DQ14	23	DQ3(3D)
	C0DQ15	AM17	C0DQ15	22	DQ4(1D)

TC	IC51001 / PEAKS-Pro2		SIGNAL NAME	IC52002 / SD RAM	
	Port Name	Pin No		Pin No	Port Name
9	C0DQ16	AL10	C0DQ16	25	DQ1(2C)
	C0DQ17	AM10	C0DQ17	24	DQ2(7D)
	C0DQ18	AJ11	C0DQ18	23	DQ3(3D)
	C0DQ19	AM9	C0DQ19	19	DQ7(9B)
	C0DQ20	AK11	C0DQ20	20	DQ6(1B)
	C0DQ21	AH12	C0DQ21	22	DQ4(1D)
	C0DQ22	AN8	C0DQ22	26	DQ0(8C)
	C0DQ23	AN9	C0DQ23	21	DQ5(9D)

TC	IC51001 / PEAKS-Pro2		SIGNAL NAME	IC52001 / SD RAM	
	Port Name	Pin No		Pin No	Port Name
10	C0DQ24	AJ9	C0DQ24	21	DQ5(9D)
	C0DQ25	AL8	C0DQ25	19	DQ7(9B)
	C0DQ26	AN5	C0DQ26	20	DQ6(1B)
	C0DQ27	AL7	C0DQ27	26	DQ0(8C)
	C0DQ28	AK8	C0DQ28	25	DQ1(2C)
	C0DQ29	AN6	C0DQ29	24	DQ2(7D)
	C0DQ30	AM6	C0DQ30	23	DQ3(3D)
	C0DQ31	AP4	C0DQ31	22	DQ4(1D)

TC	IC51001 / PEAKS-Pro2		SIGNAL NAME	IC52272 / SD RAM	
	Port Name	Pin No		Pin No	Port Name
11	C1A0	AA3	C1A0	15	A0(8M)
	C1A1	AC1	C1A1	14	A1(3M)
	C1A2	AA6	C1A2	13	A2(7M)
	C1A3	AC3	C1A3	12	A3(2N)
	C1A4	AC6	C1A4	11	A4(8N)
	C1A5	Y4	C1A5	10	A5(3N)
	C1A6	W2	C1A6	9	A6(7N)
	C1A7	AE1	C1A7	8	A7(2P)
	C1A8	Y1	C1A8	7	A8(8P)
	C1A9	V7	C1A9	6	A9(3P)
	C1A10	Y5	C1A10	5	A10(2M)
	C1A11	AC7	C1A11	4	A11(7P)
	C1A12	AD3	C1A12	3	A12(2R)

TO SECTION (2/2)

TC	IC51001 / PEAKS-Pro2		SIGNAL NAME	IC52271 / SD RAM	
	Port Name	Pin No		Pin No	Port Name
12	C1A0	AA3	C1A0	15	A0(8M)
	C1A1	AC1	C1A1	14	A1(3M)
	C1A2	AA6	C1A2	13	A2(7M)
	C1A3	AC3	C1A3	12	A3(2N)
	C1A4	AC6	C1A4	11	A4(8N)
	C1A5	Y4	C1A5	10	A5(3N)
	C1A6	W2	C1A6	9	A6(7N)
	C1A7	AE1	C1A7	8	A7(2P)
	C1A8	Y1	C1A8	7	A8(8P)
	C1A9	V7	C1A9	6	A9(3P)
	C1A10	Y5	C1A10	5	A10(2M)
	C1A11	AC7	C1A11	4	A11(7P)
	C1A12	AD3	C1A12	3	A12(2R)

TC	IC51001 / PEAKS-Pro2		SIGNAL NAME	IC52272 / SD RAM	
	Port Name	Pin No		Pin No	Port Name
13	C1DQ0	AG4	C1DQ0	33	DQ4(1H)
	C1DQ1	AG5	C1DQ1	36	DQ1(2G)
	C1DQ2	AK2	C1DQ2	30	DQ7(9F)
	C1DQ3	AJ3	C1DQ3	35	DQ2(7H)
	C1DQ4	AH3	C1DQ4	34	DQ3(3H)
	C1DQ5	AH4	C1DQ5	31	DQ6(1F)
	C1DQ6	AL1	C1DQ6	37	DQ0(8G)
	C1DQ7	AL2	C1DQ7	32	DQ5(9H)
	C1DQ8	AF6	C1DQ8	22	DQ15(9B)
	C1DQ9	AF5	C1DQ9	24	DQ13(9D)
	C1DQ10	AF3	C1DQ10	27	DQ10(7D)
	C1DQ11	AE4	C1DQ11	29	DQ8(8C)
	C1DQ12	AD6	C1DQ12	26	DQ11(3D)
	C1DQ13	AD5	C1DQ13	28	DQ9(2C)
	C1DQ14	AF1	C1DQ14	23	DQ14(1B)
	C1DQ15	AE2	C1DQ15	25	DQ12(1D)

TC	IC51001 / PEAKS-Pro2		SIGNAL NAME	IC52271 / SD RAM	
	Port Name	Pin No		Pin No	Port Name
14	C1DQ16	T5	C1DQ16	33	DQ4(1H)
	C1DQ17	U4	C1DQ17	31	DQ6(1F)
	C1DQ18	U3	C1DQ18	30	DQ7(9F)
	C1DQ19	U1	C1DQ19	37	DQ0(8G)
	C1DQ20	U7	C1DQ20	34	DQ3(3H)
	C1DQ21	V6	C1DQ21	36	DQ1(2G)
	C1DQ22	V1	C1DQ22	35	DQ2(7H)
	C1DQ23	V3	C1DQ23	32	DQ5(9H)
	C1DQ24	R6	C1DQ24	28	DQ9(2C)
	C1DQ25	R7	C1DQ25	27	DQ10(7D)
	C1DQ26	R1	C1DQ26	24	DQ13(9D)
	C1DQ27	P4	C1DQ27	25	DQ12(1D)
	C1DQ28	P5	C1DQ28	26	DQ11(3D)
	C1DQ29	P7	C1DQ29	23	DQ14(1B)
	C1DQ30	P2	C1DQ30	29	DQ8(8C)
	C1DQ31	P1	C1DQ31	22	DQ15(9B)

TO SECTION (1/2)

TC	IC51001 / PEAKS-Pro2		SIGNAL NAME	IC56002 / HDMI TRANSMITTER	
	Port Name	Pin No		Pin No	Port Name
15	VO1C0	E12	PRHC0_B	91	D8
	VO1C1	B8	PRHC1_B	90	D9
	VO1C2	G13	PRHC2_B	88	D10
	VO1C3	A8	PRHC3_B	87	D11
	VO1C4	A9	PRHC4_B	59	D28
	VO1C5	E13	PRHC5_B	57	D29
	VO1C6	B10	PRHC6_B	56	D30
	VO1C7	G14	PRHC7_B	55	D31
	VO1C8	C11	PRHC8_B	54	D32
	VO1C9	F14	PRHC9_B	53	D33
	VO1C10	B11	PRHC10_B	51	D34
	VO1C11	A11	PRHC11_B	50	D35

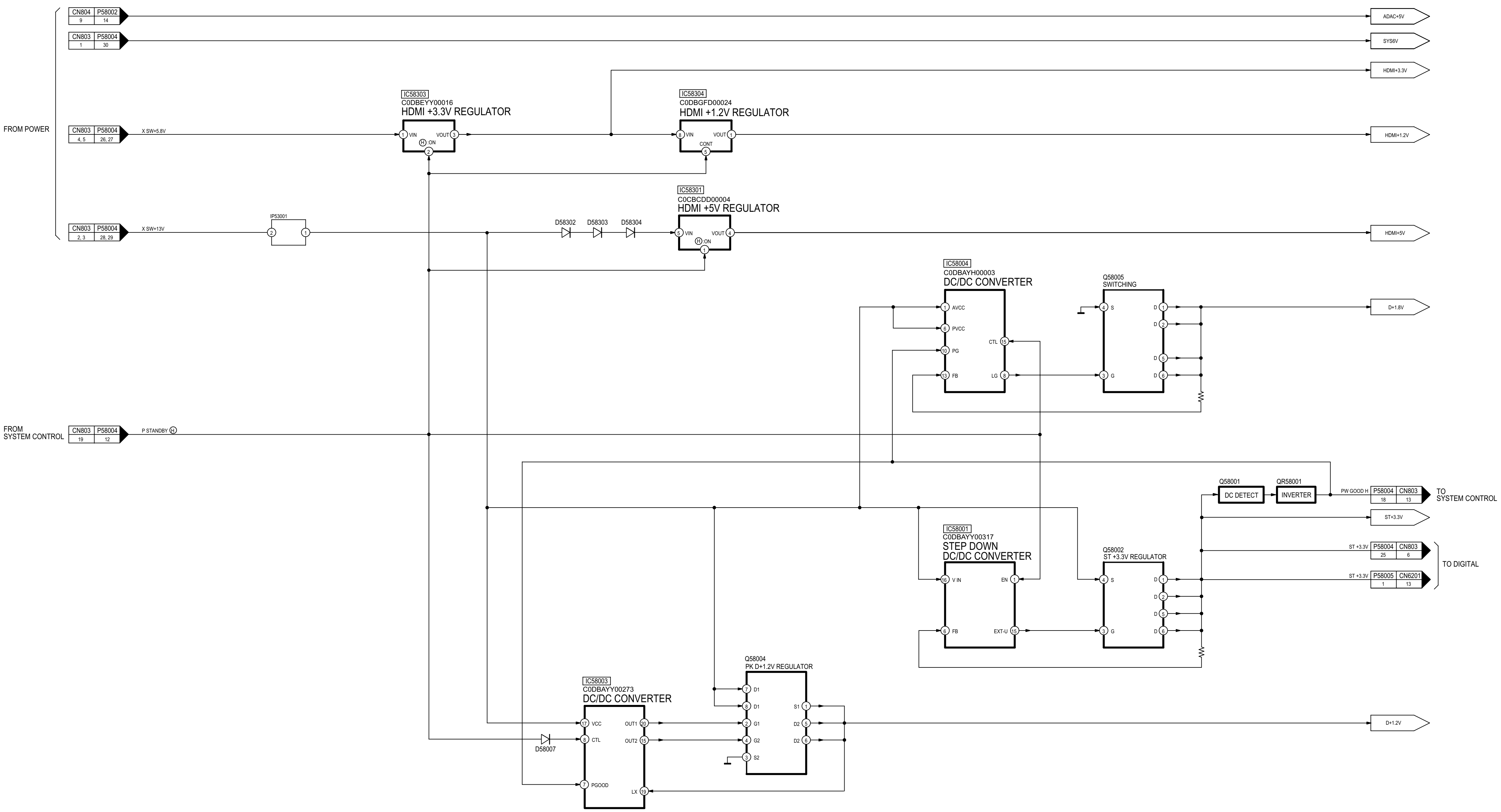
TC	IC51001 / PEAKS-Pro2		SIGNAL NAME	IC56002 / HDMI TRANSMITTER	
	Port Name	Pin No		Pin No	Port Name
16	VO1Y0	F13	PRHY0_B	103	D4
	VO1Y1	C10	PRHY1_B	102	D5
	VO1Y2	A10	PRHY2_B	94	D6
	VO1Y3	B9	PRHY3_B	92	D7
	VO1Y4	C12	PRHY4_B	78	D16
	VO1Y5	B12	PRHY5_B	77	D17
	VO1Y6	E14	PRHY6_B	76	D18
	VO1Y7	A12	PRHY7_B	75	D19
	VO1Y8	G15	PRHY8_B	73	D20
	VO1Y9	B13	PRHY9_B	72	D21
	VO1Y10	F15	PRHY10_B	71	D22
	VO1Y11	A13	PRHY11_B	70	D23

TC	IC51001 / PEAKS-Pro2		SIGNAL NAME	IC54000 / (TO DSP)	
	Port Name	Pin No		Pin No	Port Name
17	AO1D0	E11	G_HDI_D0_B	5	AQ1D0
	AO1D1	F11	G_HDI_D1_B	6	AQ1D1
	AO1D2	D10	G_HDI_D2_B	7	AQ1D2
	AO1D3	A6	G_HDI_D3_B	8	AQ1D3

TC	18		19	
SIGNAL NAME	IC51001 / PEAKS-Pro2		IC51303 / EEPROM	
	Pin No	Port Name	Pin No	Port Name
EA1_B	AM29	EA1	25	A0
EA2_B	AN30	EA2	24	A1
EA3_B	AK31	EA3	23	A2
EA4_B	AP31	EA4	22	A3
EA5_B	AN31	EA5	21	A4
EA6_B	AM30	EA6	20	A5
EA7_B	AL29	EA7	19	A6
EA8_B	AP32	EA8	18	A7
EA9_B	AJ30	EA9	8	A8
EA10_B	AM33	EA10	7	A9
EA11_B	AH29	EA11	6	A10
EA12_B	AL32	EA12	5	A11
EA13_B	AJ31	EA13	4	A12
EA14_B	AG28	EA14	3	A13
EA15_B	AM34	EA15	2	A14
EA16_B	AH30	EA16	1	A15
EA17_B	AL33	EA17	48	A16
EA18_B	AG29	EA18	17	A17
EA19_B	AK32	EA19	16	A18
EA20_B	AH31	EA20	9	A19
EA21_B	AJ32	EA21	10	A20
EA22_B	AG30	EA22	13	A21

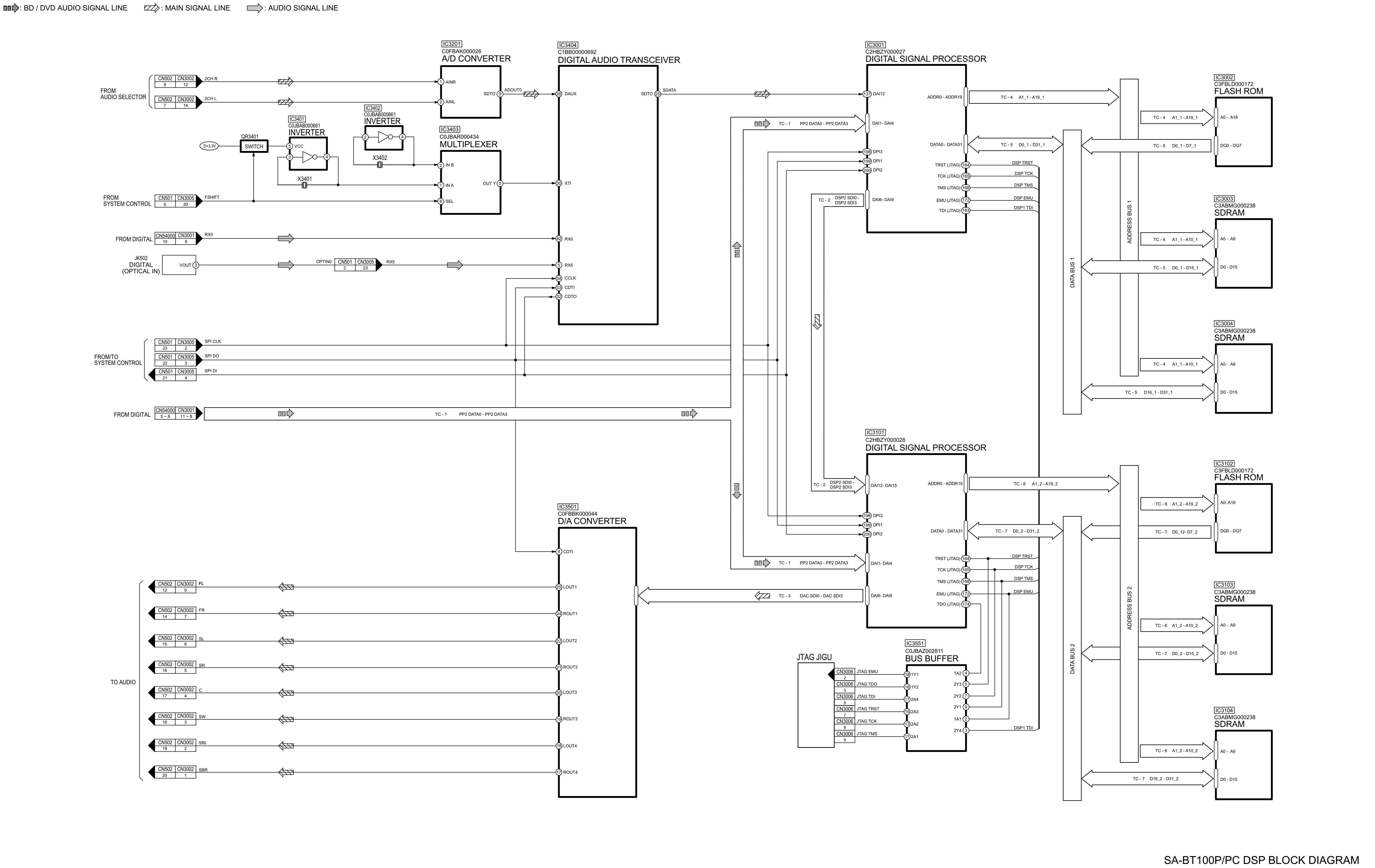
TC	18		19		20	
SIGNAL NAME	IC51001 / PEAKS-Pro2		IC51303 / EEPROM		IC51302 / 8BIT-NAND	
	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name
ED0_B	AK26	ED0	29	DQ0	29	IO0
ED1_B	AJ26	ED1	31	DQ1	30	IO1
ED2_B	AN27	ED2	33	DQ2	31	IO2
ED3_B	AH26	ED3	35	DQ3	32	IO3
ED4_B	AM26	ED4	38	DQ4	41	IO4
ED5_B	AL27	ED5	40	DQ5	42	IO5
ED6_B	AP28	ED6	42	DQ6	43	IO6
ED7_B	AK27	ED7	44	DQ7	44	IO7
ED8_B	AN28	ED8	30	DQ8	-	-
ED9_B	AJ27	ED9	32	DQ9	-	-
ED10_B	AP29	ED10	34	DQ10	-	-
ED11_B	AL28	ED11	36	DQ11	-	-
ED12_B	AM27	ED12	39	DQ12	-	-
ED13_B	AK28	ED13	41	DQ13	-	-
ED14_B	AN29	ED14	43	DQ14	-	-
ED15_B	AM28	ED15	45	DQ15	-	-

17.3. Digital P.C.B. Regulator



SA-BT100P/PC DIGITAL P.C.B. REGULATOR BLOCK DIAGRAM

17.4. DSP


: BD / DVD AUDIO SIGNAL LINE
: MAIN SIGNAL LINE
: AUDIO SIGNAL LINE
IC3201
C0FBAK000026
A/D CONVERTER
IC3404
C1BB00000692
DIGITAL AUDIO TRANSCEIVER
IC3001
C2HBZY000027
DIGITAL SIGNAL PROCESSOR
IC3401
C0JBAB000661
INVERTER
IC3402
C0JBAB000661
INVERTER
IC3403
C0JBAR000434
MULTIPLEXER
IC3002
C3FBLD000172
FLASH ROM
IC3003
C3ABMG000238
SDRAM
IC3004
C3ABMG000238
SDRAM
IC3101
C2HBZY000028
DIGITAL SIGNAL PROCESSOR
IC3102
C3FBLD000172
FLASH ROM
IC3103
C3ABMG000238
SDRAM
IC3104
C3ABMG000238
SDRAM
IC3501
C0FBBK000044
D/A CONVERTER
IC3551
C0JBAZ002811
BUS BUFFER
JTAG JIGU
FROM AUDIO SELECTOR
FROM SYSTEM CONTROL
FROM DIGITAL
JK502 DIGITAL (OPTICAL IN)
FROM/TO SYSTEM CONTROL
TO AUDIO
QR3401
SWITCH
X3401
X3402
2CH R
2CH L
FSHIFT
RX0
RX5
OPTIN0
SPI CLK
SPI DO
SPI DI
SDATA
ADOUT0
TC - 1 PP2 DATA0 - PP2 DATA3
TC - 2 DSP2 SDI0 - DSP2 SDI3
TC - 3 DAC SDI0 - DAC SDI3
TC - 4 A1_1 - A19_1
TC - 5 D0_1 - D31_1
TC - 6 A1_2 - A19_2
TC - 7 D0_2 - D31_2
ADDRESS BUS 1
DATA BUS 1
ADDRESS BUS 2
DATA BUS 2
DSP TRST
DSP TCK
DSP TMS
DSP EMU
DSP1 TDI
JTAG EMU
JTAG TDO
JTAG TDI
JTAG TRST
JTAG TCK
JTAG TMS
FL
FR
SL
SR
C
SW
SBL
SBR
LOUT1
ROUT1
LOUT2
ROUT2
LOUT3
ROUT3
LOUT4
ROUT4
SA-BT100P/PC DSP BLOCK DIAGRAM

17.5. IC Terminal (DSP) Chart

TC	1					
SIGNAL NAME	CN3001 / (FROM DIGITAL)		IC3001 / DSP		IC3101 / DSP	
	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name
PP2_DATA0	11	DO	178	DAI1	178	DAI1
PP2_DATA1	10	D1	176	DAI2	176	DAI2
PP2_DATA2	9	D2	177	DAI3	177	DAI3
PP2_DATA3	8	D3	175	DAI4	175	DAI4

TC	IC3001 / DSP		SIGNAL NAME	IC3101 / DSP	
	Port Name	Pin No		Pin No	Port Name
2	DAI6	147	DSP2_SDI0	137	DAI2
	DAI7	148	DSP2_SDI1	136	DAI3
	DAI8	145	DSP2_SDI2	135	DAI4
	DAI9	146	DSP2_SDI3	134	DAI5

TC	IC3101 / DSP		SIGNAL NAME	IC3501 / D/A CONVERTER	
	Port Name	Pin No		Pin No	Port Name
3	DAI6	147	DAC_SDI0	3	SDT1
	DAI7	148	DAC_SDI1	9	SDT2
	DAI8	145	DAC_SDI2	10	SDT3
	DAI9	146	DAC_SDI3	11	SDT4

TC	4							
SIGNAL NAME	IC3001 / DSP		IC3002 / FLASH ROM		IC3003 / SDRAM		IC3004 / SDRAM	
	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name	Pin No	Port 005ame
A1_1	58	ADDR1	25	A0	21	A0	21	A0
A2_1	57	ADDR2	24	A1	22	A1	22	A1
A3_1	60	ADDR3	23	A2	23	A2	23	A2
A4_1	59	ADDR4	22	A3	24	A3	24	A3
A5_1	61	ADDR5	21	A4	27	A4	27	A4
A6_1	66	ADDR6	20	A5	28	A5	28	A5
A7_1	67	ADDR7	19	A6	29	A6	29	A6
A8_1	68	ADDR8	18	A7	30	A7	30	A7
A9_1	69	ADDR9	17	A8	31	A8	31	A8
A10_1	70	ADDR10	7	A9	32	A9	32	A9
A11_1	75	ADDR11	6	A10	-	-	-	-
A12_1	76	ADDR12	5	A11	-	-	-	-
A13_1	77	ADDR13	4	A12	-	-	-	-
A14_1	88	ADDR14	3	A13	-	-	-	-
A15_1	91	ADDR15	2	A14	-	-	-	-
A16_1	92	ADDR16	1	A15	-	-	-	-
A17_1	93	ADDR17	48	A16	-	-	-	-
A18_1	94	ADDR18	17	A17	-	-	-	-
A19_1	97	ADDR19	16	A18	-	-	-	-

TC	5							
SIGNAL NAME	IC3001 / DSP		IC3002 / FLASH ROM		IC3003 / SDRAM		IC3004 / SDRAM	
	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name	Pin No	Port004Name
D0_1	48	DATA0	29	DQ0	2	DQ0	-	-
D1_1	49	DATA1	31	DQ1	3	DQ1	-	-
D2_1	46	DATA2	33	DQ2	5	DQ2	-	-
D3_1	47	DATA3	35	DQ3	6	DQ3	-	-
D4_1	44	DATA4	38	DQ4	8	DQ4	-	-
D5_1	45	DATA5	40	DQ5	9	DQ5	-	-
D6_1	40	DATA6	42	DQ6	11	DQ6	-	-
D7_1	39	DATA7	44	DQ7	12	DQ7	-	-
D8_1	38	DATA8	-	-	39	DQ8	-	-
D9_1	37	DATA9	-	-	40	DQ9	-	-
D10_1	36	DATA10	-	-	42	DQ10	-	-
D11_1	35	DATA11	-	-	43	DQ11	-	-
D12_1	30	DATA12	-	-	45	DQ12	-	-
D13_1	29	DATA13	-	-	46	DQ13	-	-
D14_1	28	DATA14	-	-	48	DQ14	-	-
D15_1	27	DATA15	-	-	49	DQ15	-	-
D16_1	26	DATA16	-	-	-	-	2	DQ0
D17_1	21	DATA17	-	-	-	-	3	DQ1
D18_1	18	DATA18	-	-	-	-	5	DQ2
D19_1	17	DATA19	-	-	-	-	6	DQ3
D20_1	14	DATA20	-	-	-	-	8	DQ4
D21_1	13	DATA21	-	-	-	-	9	DQ5
D22_1	12	DATA22	-	-	-	-	11	DQ6
D23_1	9	DATA23	-	-	-	-	12	DQ7
D24_1	8	DATA24	-	-	-	-	39	DQ8
D25_1	7	DATA25	-	-	-	-	40	DQ9
D26_1	6	DATA26	-	-	-	-	42	DQ10
D27_1	3	DATA27	-	-	-	-	43	DQ11
D28_1	2	DATA28	-	-	-	-	45	DQ12
D29_1	207	DATA29	-	-	-	-	46	DQ13
D30_1	205	DATA30	-	-	-	-	48	DQ14
D31_1	206	DATA31	-	-	-	-	49	DQ15

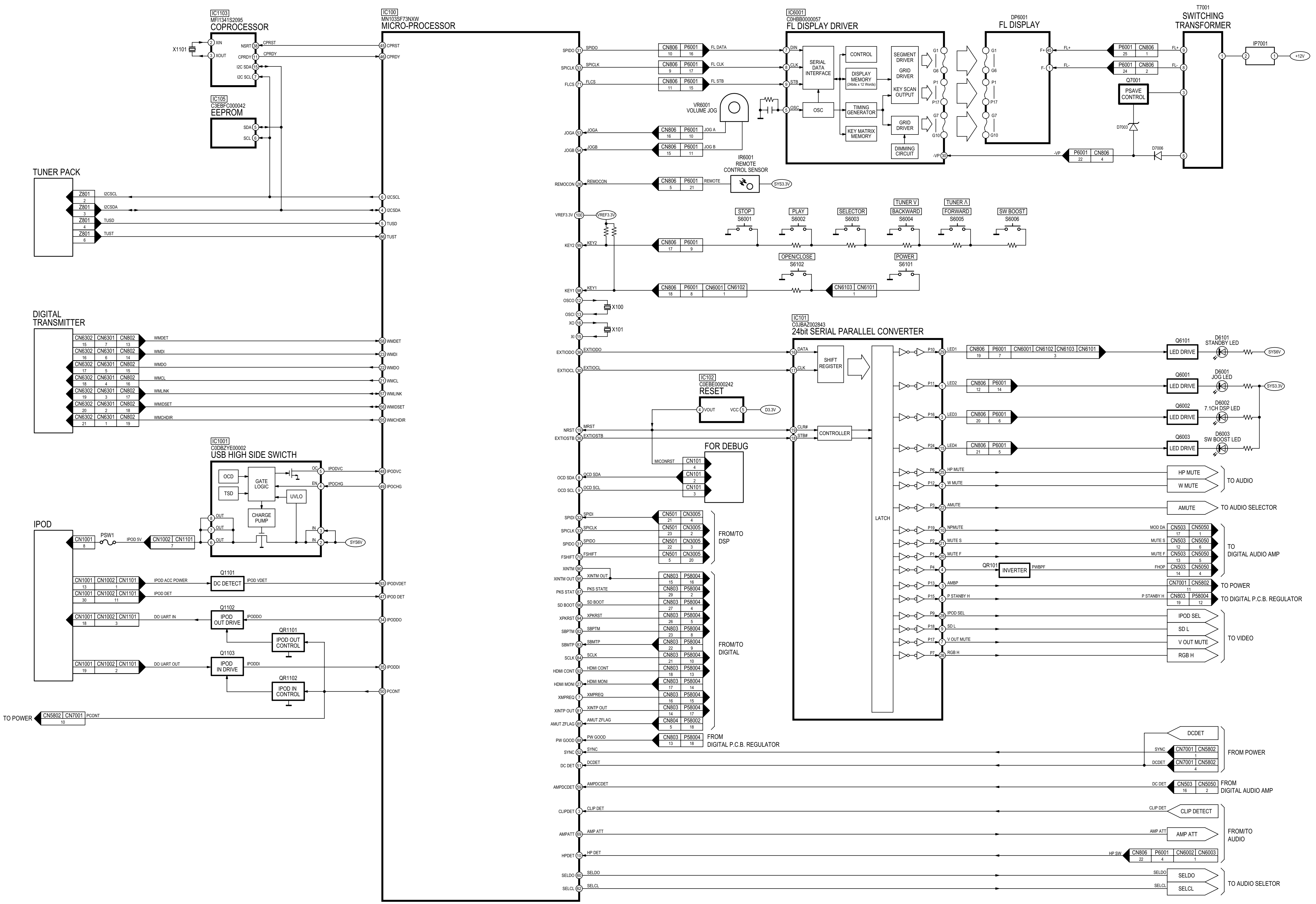
TO SECTION (2/2)

TC	6							
SIGNAL NAME	IC3101 / DSP		IC3102 / FLASH ROM		IC3103 / SDRAM		IC3104 / SDRAM	
	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name	Pin No	Port m4Name
A1_2	58	ADDR1	25	A0	21	A0	21	A0
A2_2	57	ADDR2	24	A1	22	A1	22	A1
A3_2	60	ADDR3	23	A2	23	A2	23	A2
A4_2	59	ADDR4	22	A3	24	A3	24	A3
A5_2	61	ADDR5	21	A4	27	A4	27	A4
A6_2	66	ADDR6	20	A5	28	A5	28	A5
A7_2	67	ADDR7	19	A6	29	A6	29	A6
A8_2	68	ADDR8	18	A7	30	A7	30	A7
A9_2	69	ADDR9	17	A8	31	A8	31	A8
A10_2	70	ADDR10	7	A9	32	A9	32	A9
A11_2	75	ADDR11	6	A10	-	-	-	-
A12_2	76	ADDR12	5	A11	-	-	-	-
A13_2	77	ADDR13	4	A12	-	-	-	-
A14_2	88	ADDR14	3	A13	-	-	-	-
A15_2	91	ADDR15	2	A14	-	-	-	-
A16_2	92	ADDR16	1	A15	-	-	-	-
A17_2	93	ADDR17	48	A16	-	-	-	-
A18_2	94	ADDR18	17	A17	-	-	-	-
A19_2	97	ADDR19	16	A18	-	-	-	-

TO SECTION (1/2)

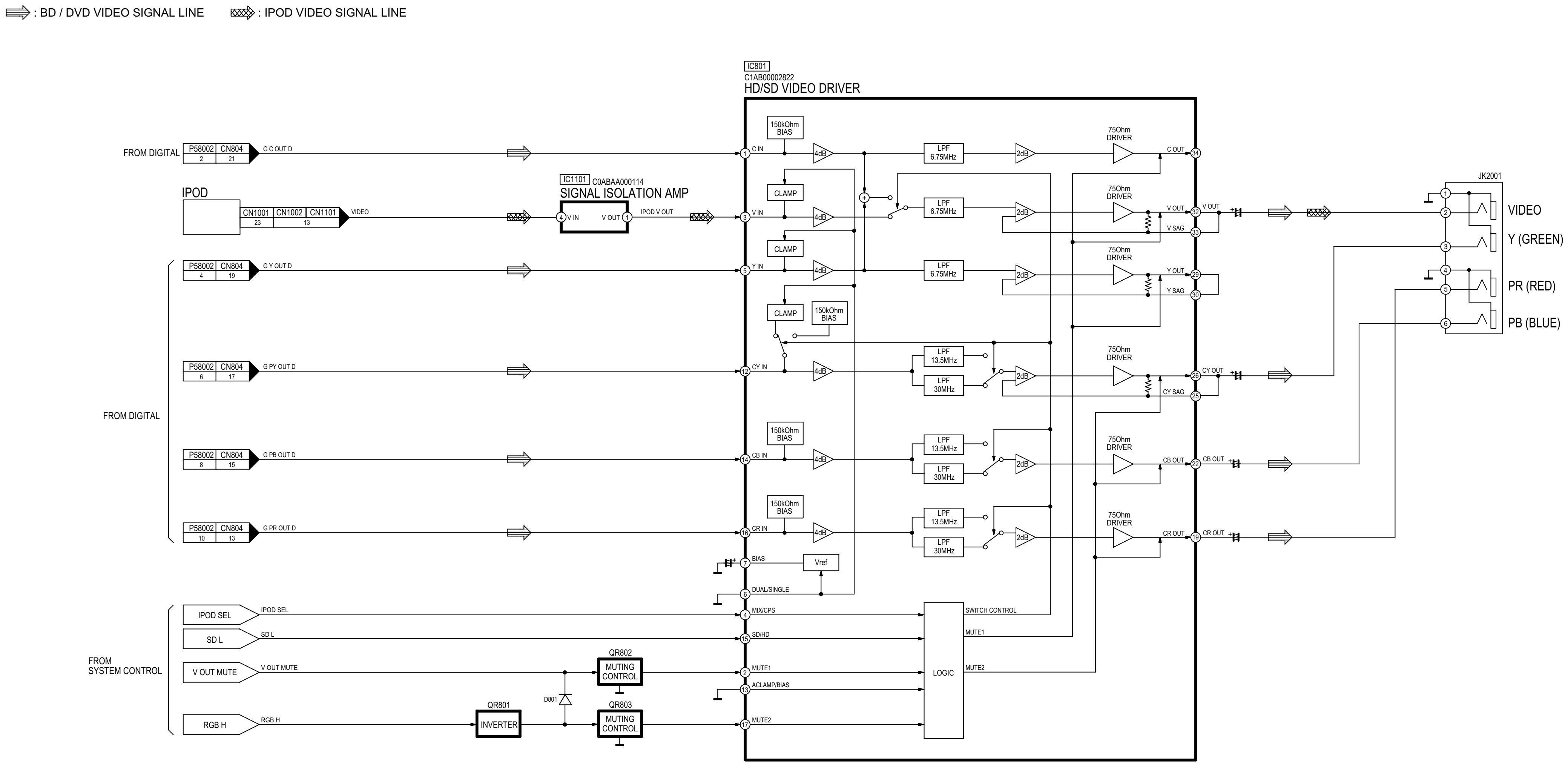
TC	7							
SIGNAL NAME	IC3101 / DSP		IC3102 / FLASH ROM		IC3103 / SDRAM		IC3104 / SDRAM	
	Pin No	Port Name	Pin No	Port Name	Pin No	Port Name	Pin No	Port m4Name
D0_2	48	DATA0	29	DQ0	2	DQ0	-	-
D1_2	49	DATA1	31	DQ1	3	DQ1	-	-
D2_2	46	DATA2	33	DQ2	5	DQ2	-	-
D3_2	47	DATA3	35	DQ3	6	DQ3	-	-
D4_2	44	DATA4	38	DQ4	8	DQ4	-	-
D5_2	45	DATA5	40	DQ5	9	DQ5	-	-
D6_2	40	DATA6	42	DQ6	11	DQ6	-	-
D7_2	39	DATA7	44	DQ7	12	DQ7	-	-
D8_2	38	DATA8	-	-	39	DQ8	-	-
D9_2	37	DATA9	-	-	40	DQ9	-	-
D10_2	36	DATA10	-	-	42	DQ10	-	-
D11_2	35	DATA11	-	-	43	DQ11	-	-
D12_2	30	DATA12	-	-	45	DQ12	-	-
D13_2	29	DATA13	-	-	46	DQ13	-	-
D14_2	28	DATA14	-	-	48	DQ14	-	-
D15_2	27	DATA15	-	-	49	DQ15	-	-
D16_2	26	DATA16	-	-	-	-	2	DQ0
D17_2	21	DATA17	-	-	-	-	3	DQ1
D18_2	18	DATA18	-	-	-	-	5	DQ2
D19_2	17	DATA19	-	-	-	-	6	DQ3
D20_2	14	DATA20	-	-	-	-	8	DQ4
D21_2	13	DATA21	-	-	-	-	9	DQ5
D22_2	12	DATA22	-	-	-	-	11	DQ6
D23_2	9	DATA23	-	-	-	-	12	DQ7
D24_2	8	DATA24	-	-	-	-	39	DQ8
D25_2	7	DATA25	-	-	-	-	40	DQ9
D26_2	6	DATA26	-	-	-	-	42	DQ10
D27_2	3	DATA27	-	-	-	-	43	DQ11
D28_2	2	DATA28	-	-	-	-	45	DQ12
D29_2	207	DATA29	-	-	-	-	46	DQ13
D30_2	205	DATA30	-	-	-	-	48	DQ14
D31_2	206	DATA31	-	-	-	-	49	DQ15

17.6. System Control



SA-BT100P/PC SYSTEM CONTROL BLOCK DIAGRAM

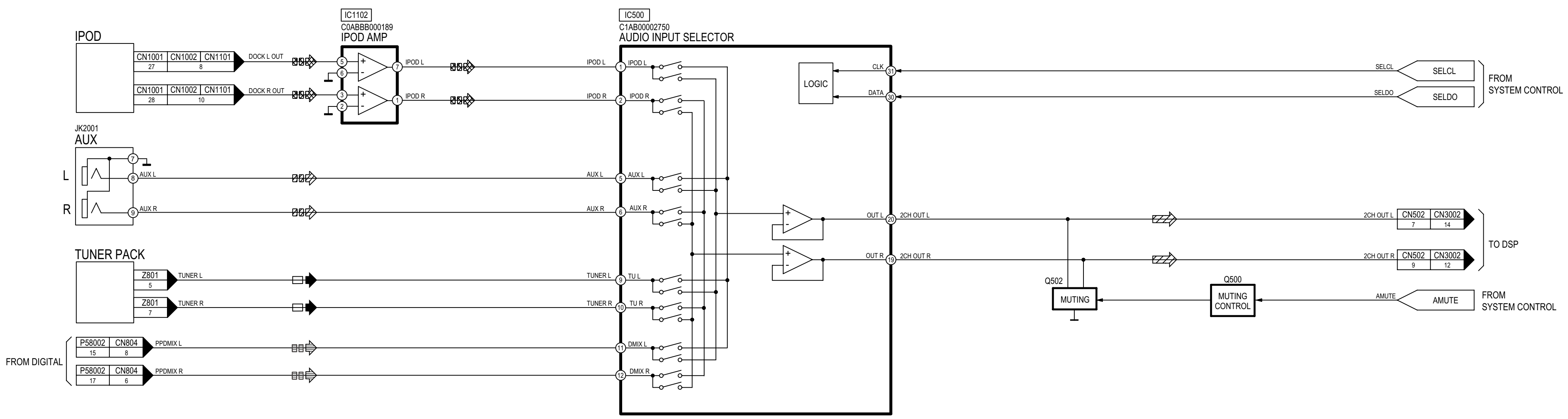
17.7. Video



SA-BT100P/PC VIDEO BLOCK DIAGRAM

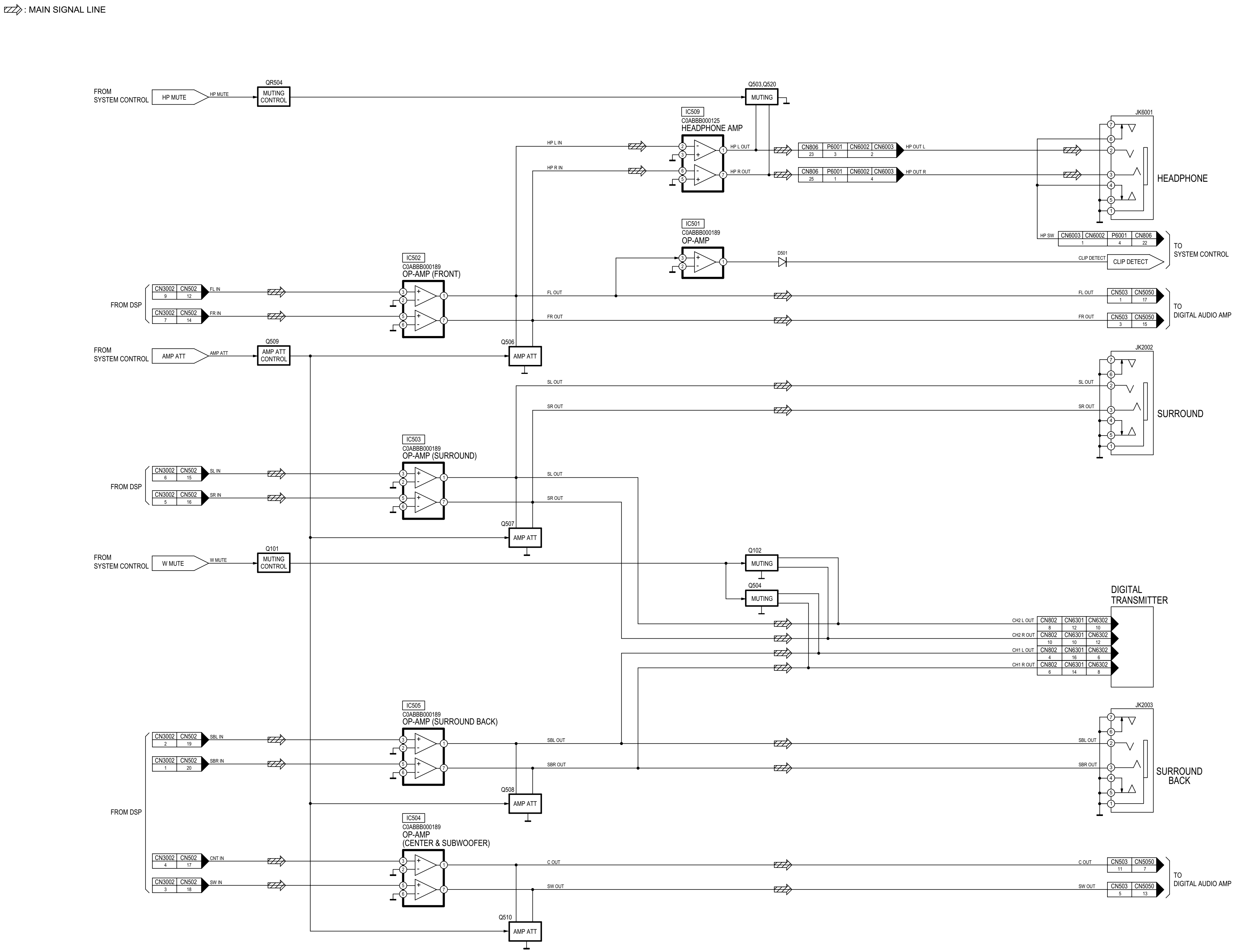
17.8. Audio Selector

: MAIN SIGNAL LINE   : AM / FM SIGNAL LINE   : IPOD AUDIO SIGNAL LINE   : AUX SIGNAL LINE   : BD / DVD AUDIO SIGNAL LINE



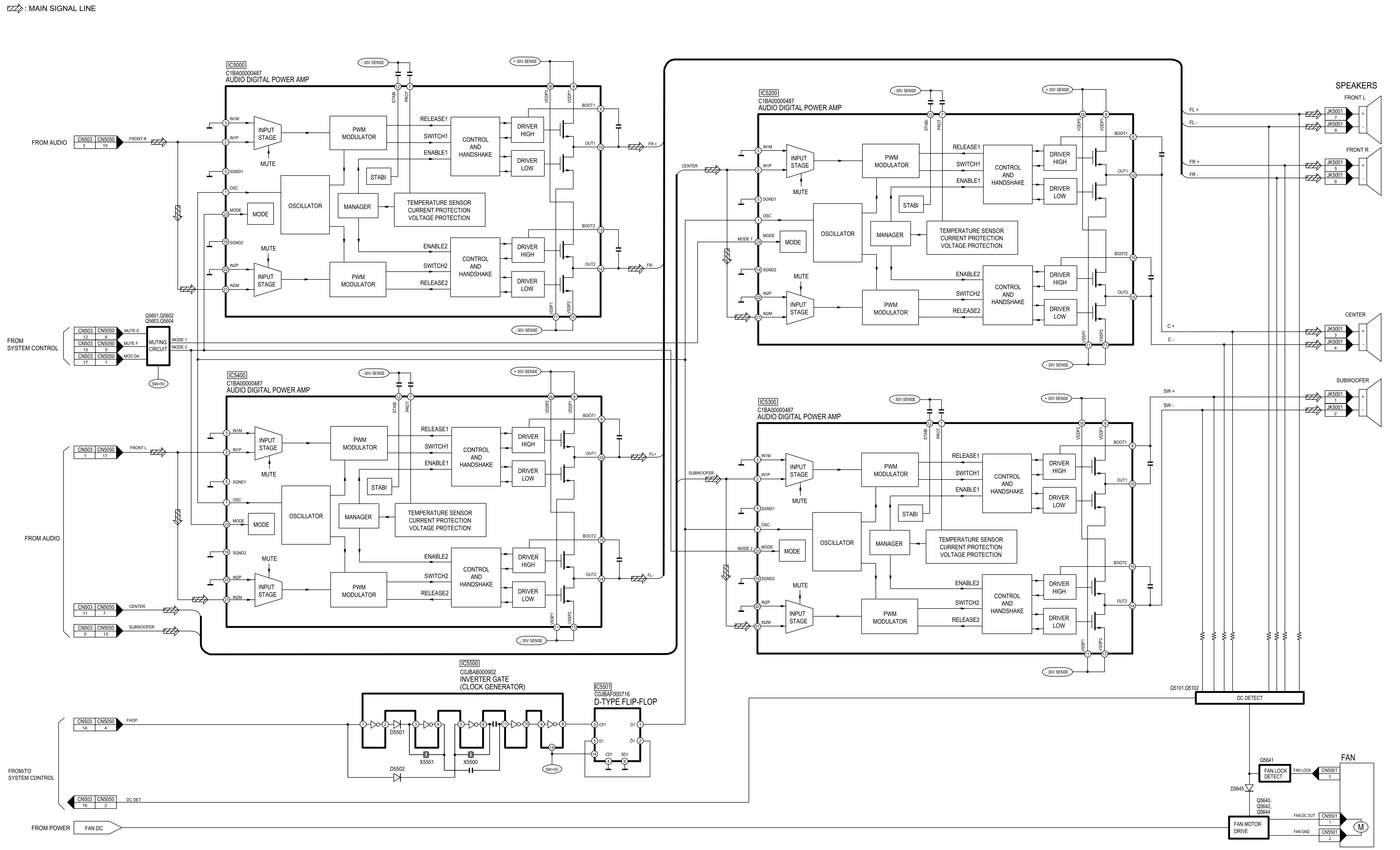
SA-BT100P/PC AUDIO SELECTOR BLOCK DIAGRAM

17.9. Audio



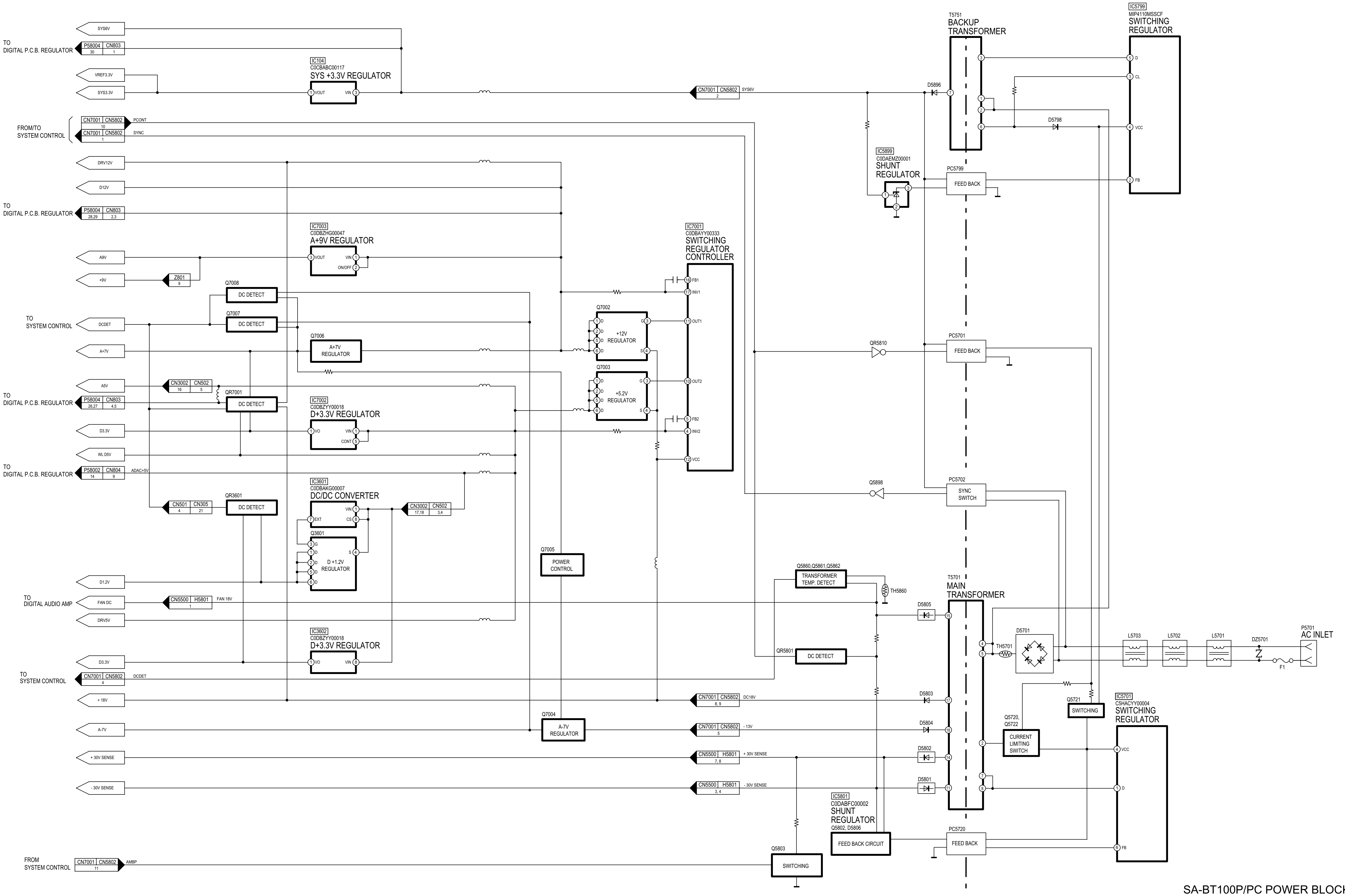
SA-BT100P/PC AUDIO BLOCK DIAGRAM

17.10. Digital Audio Amp



SA-BT100P/PC DIGITAL AUDIO AMP BLOCK DIAGRAM

17.11. Power



SA-BT100P/PC POWER BLOCK DIAGRAM

18 Schematic Diagram Notes

- **This schematic diagram may be modified at any time with the development of new technology.**

Notes:

S6001:	Stop switch (■).
S6002:	Play switch (▶).
S6003:	Selector switch.
S6004:	Backward/Tune ⋁ switch (⏮/ ◀◀ ⋁)
S6005:	Forward/Tune ⋀ switch (⋀ ⏭/▶▶).
S6006:	SW Boost switch.
S6101:	Power switch (POWER ⏻/I).
S6102:	Open/Close switch (⏏ OPEN/CLOSE).
VR6001:	VR volume jog.

- Important safety notice:

  Components identified by ⚠ mark have special characteristics important for safety.

  Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

  When replacing any of components, be sure to use only manufacturer´s specified parts shown in the parts list.

- In case of AC rated voltage Capacitor, the part no. and values will be indicated in the Schematic Diagram.

  AC rated voltage capacitor:

  C5700, C5701, C5703, C5704, C5705

- **Resistor**

  Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).

- **Capacitor**

  Unit of capacitance is µF, unless otherwise noted. F=Farad, pF=Pico-Farad

- **Coil**

  Unit of inductance is H, unless otherwise noted.

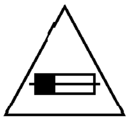
- *

  For indication only.

- Voltage and signal line

(red line)	: +B signal line
(dashed line)	: -B signal line
	: BD / DVD Audio signal line
	: BD / DVD Video signal line
	: Main signal line
	: SD signal line
	: Audio signal line
	: Ipod Video signal line
	: Ipod Audio signal line
	: AUX signal line
	: AM/FM signal line

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE F1 T8AH 125V FUSE



RISK OF FIRE-REPLACE FUSE AS MARKED.

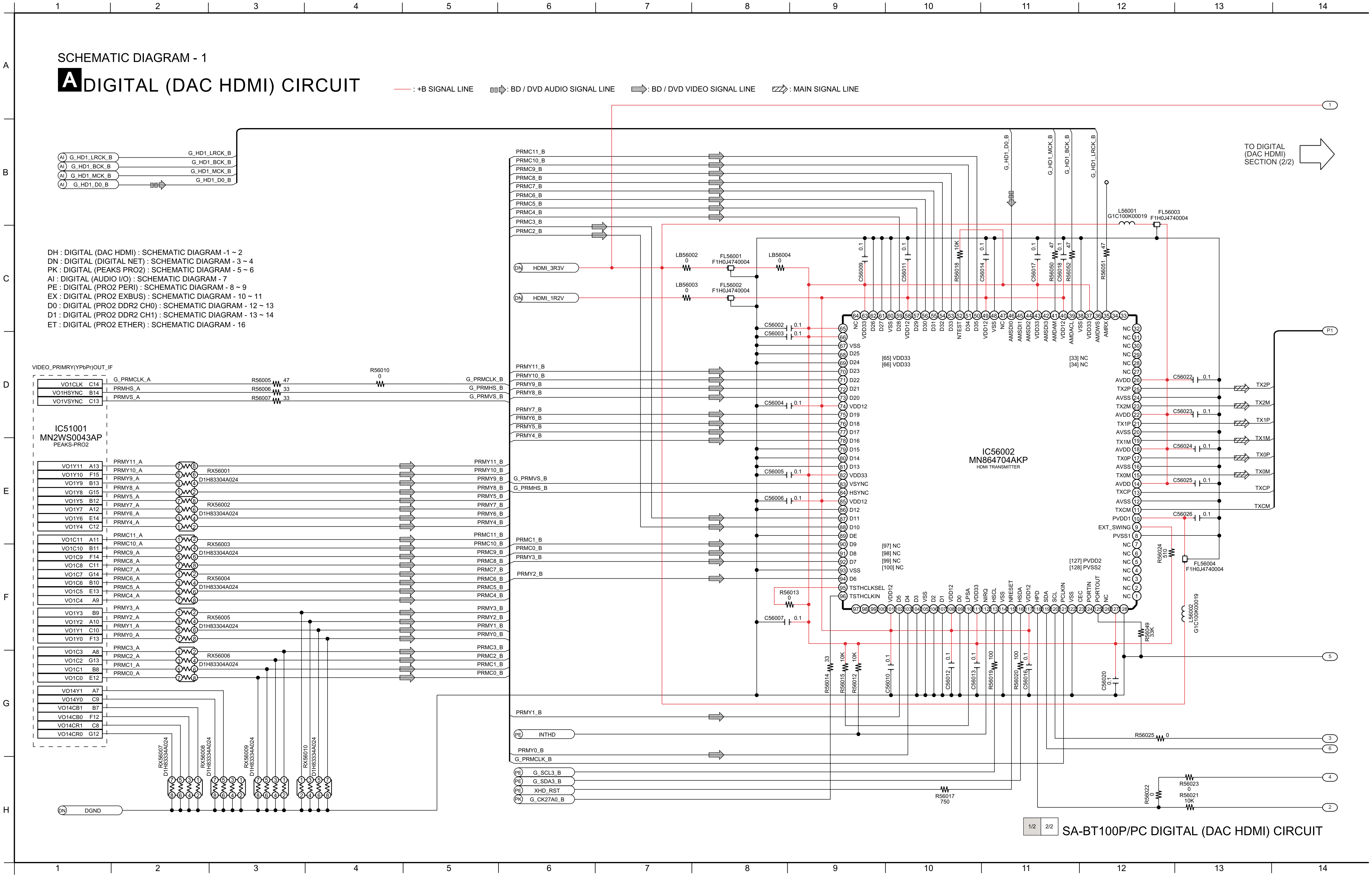
FUSE CAUTION

These symbols located near the fuse indicates that the fuse used is a fast operating type. For continued protection against fire harzard, replace with the same type fuse. For fuse rating, refer to the marking adjacent to the symbol.

Ce symbole indique que le fusible utilisé est à rapide. Pour une protection permanente, n' utiliser que des fusibles de même type. Ce dernier est indiqué là où le présent symbole est apposé.

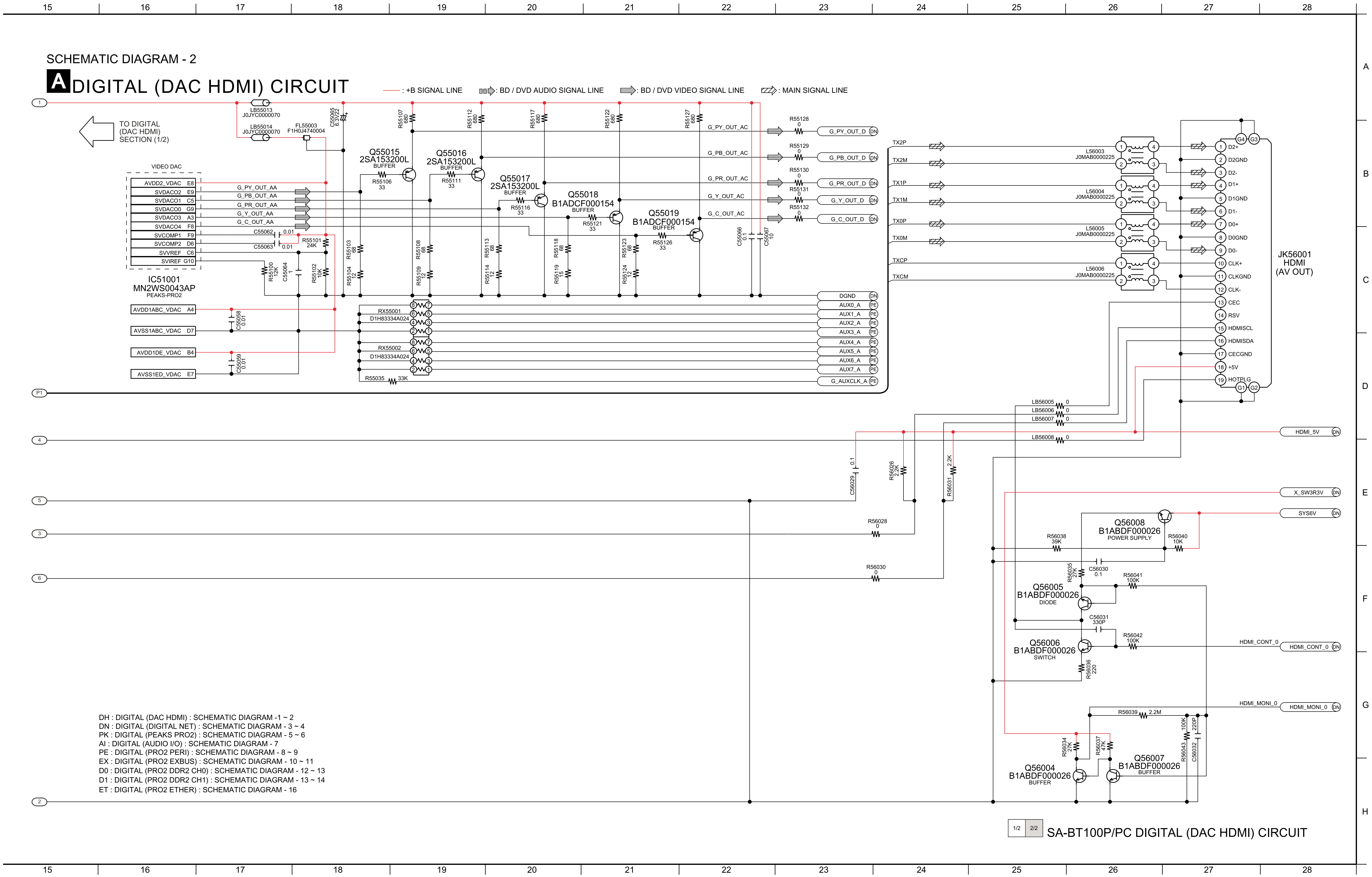
19 Schematic Diagram

19.1. Digital Circuit



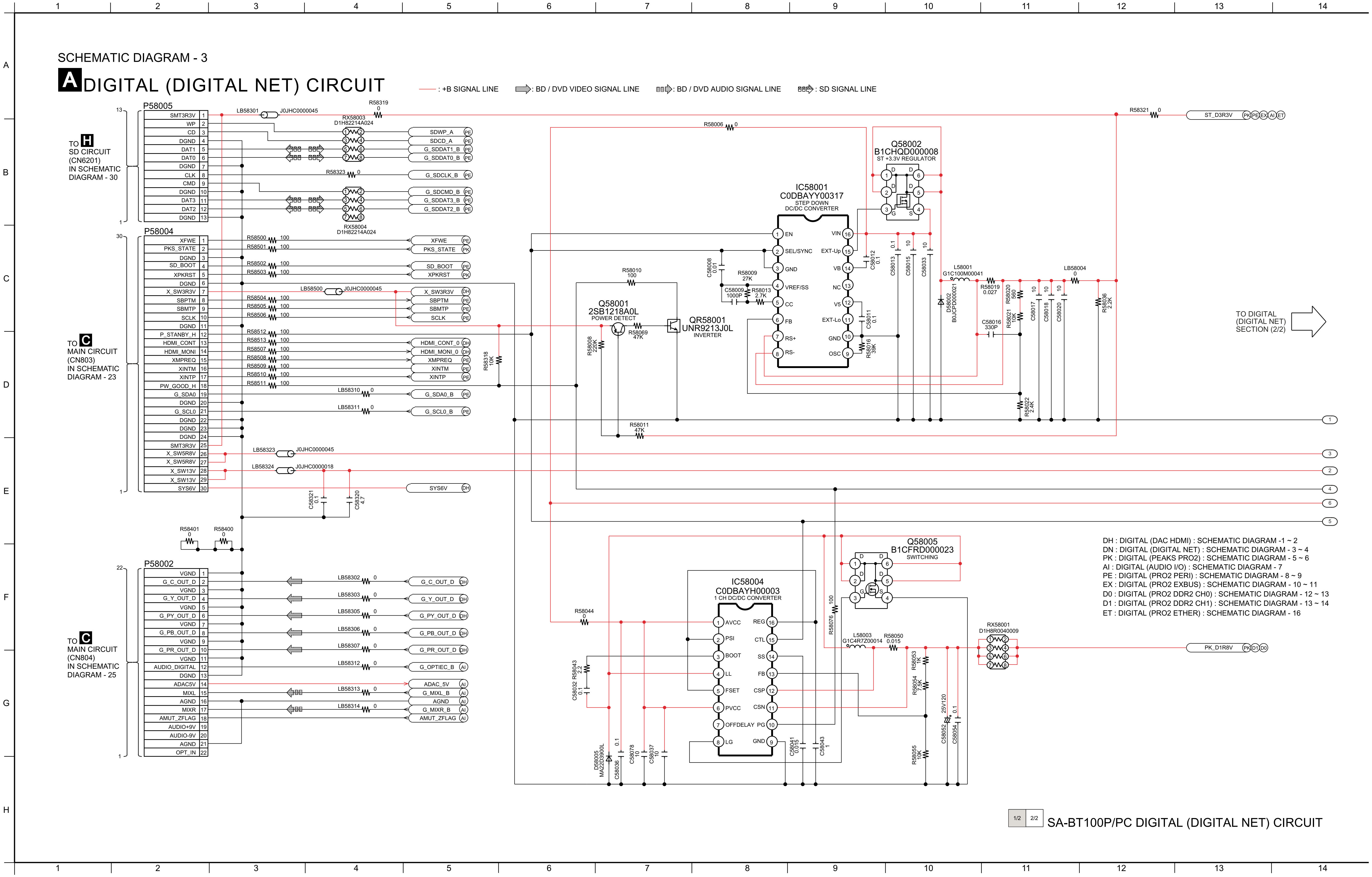
SCHEMATIC DIAGRAM - 2

A DIGITAL (DAC HDMI) CIRCUIT



DH : DIGITAL (DAC HDMI) : SCHEMATIC DIAGRAM -1 ~ 2
DN : DIGITAL (DIGITAL NET) : SCHEMATIC DIAGRAM - 3 ~ 4
PK : DIGITAL (PEAKS PRO2) : SCHEMATIC DIAGRAM - 5 ~ 6
AI : DIGITAL (AUDIO I/O) : SCHEMATIC DIAGRAM - 7
PE : DIGITAL (PRO2 PERI) : SCHEMATIC DIAGRAM - 8 ~ 9
EX : DIGITAL (PRO2 EXBUS) : SCHEMATIC DIAGRAM - 10 ~ 11
D0 : DIGITAL (PRO2 DDR2 CH0) : SCHEMATIC DIAGRAM - 12 ~ 13
D1 : DIGITAL (PRO2 DDR2 CH1) : SCHEMATIC DIAGRAM - 13 ~ 14
ET : DIGITAL (PRO2 ETHER) : SCHEMATIC DIAGRAM - 16

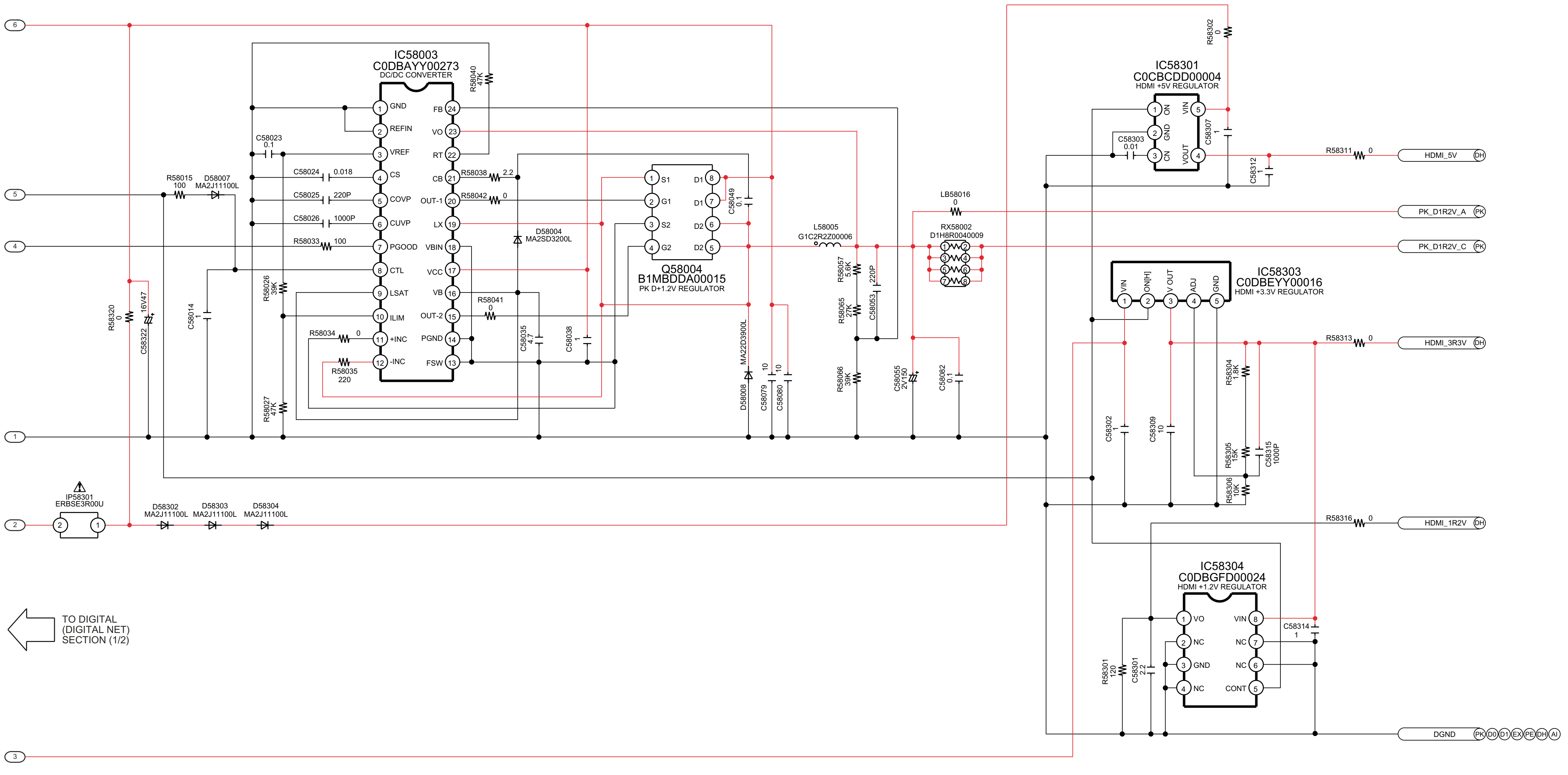
1/2 2/2 SA-BT100P/PC DIGITAL (DAC HDMI) CIRCUIT


SCHEMATIC DIAGRAM - 3
A DIGITAL (DIGITAL NET) CIRCUIT
: +B SIGNAL LINE
: BD / DVD VIDEO SIGNAL LINE
: BD / DVD AUDIO SIGNAL LINE
: SD SIGNAL LINE
TO H SD CIRCUIT (CN6201) IN SCHEMATIC DIAGRAM - 30
TO C MAIN CIRCUIT (CN803) IN SCHEMATIC DIAGRAM - 23
TO C MAIN CIRCUIT (CN804) IN SCHEMATIC DIAGRAM - 25
P58005
P58004
P58002
Q58002 B1CHQD000008 ST +3.3V REGULATOR
IC58001 C0DBAYY00317 STEP DOWN DC/DC CONVERTER
Q58001 2SB1218A0L POWER DETECT
QR58001 UNR9213J0L INVERTER
IC58004 C0DBAYH00003 1 CH DC/DC CONVERTER
Q58005 B1CFRD000023 SWITCHING
TO DIGITAL (DIGITAL NET) SECTION (2/2)
DH : DIGITAL (DAC HDMI) : SCHEMATIC DIAGRAM -1 ~ 2
DN : DIGITAL (DIGITAL NET) : SCHEMATIC DIAGRAM - 3 ~ 4
PK : DIGITAL (PEAKS PRO2) : SCHEMATIC DIAGRAM - 5 ~ 6
AI : DIGITAL (AUDIO I/O) : SCHEMATIC DIAGRAM - 7
PE : DIGITAL (PRO2 PERI) : SCHEMATIC DIAGRAM - 8 ~ 9
EX : DIGITAL (PRO2 EXBUS) : SCHEMATIC DIAGRAM - 10 ~ 11
D0 : DIGITAL (PRO2 DDR2 CH0) : SCHEMATIC DIAGRAM - 12 ~ 13
D1 : DIGITAL (PRO2 DDR2 CH1) : SCHEMATIC DIAGRAM - 13 ~ 14
ET : DIGITAL (PRO2 ETHER) : SCHEMATIC DIAGRAM - 16
1/2
2/2
SA-BT100P/PC DIGITAL (DIGITAL NET) CIRCUIT

SCHEMATIC DIAGRAM - 4

A DIGITAL (DIGITAL NET) CIRCUIT

: +B SIGNAL LINE : BD / DVD VIDEO SIGNAL LINE : BD / DVD AUDIO SIGNAL LINE : SD SIGNAL LINE

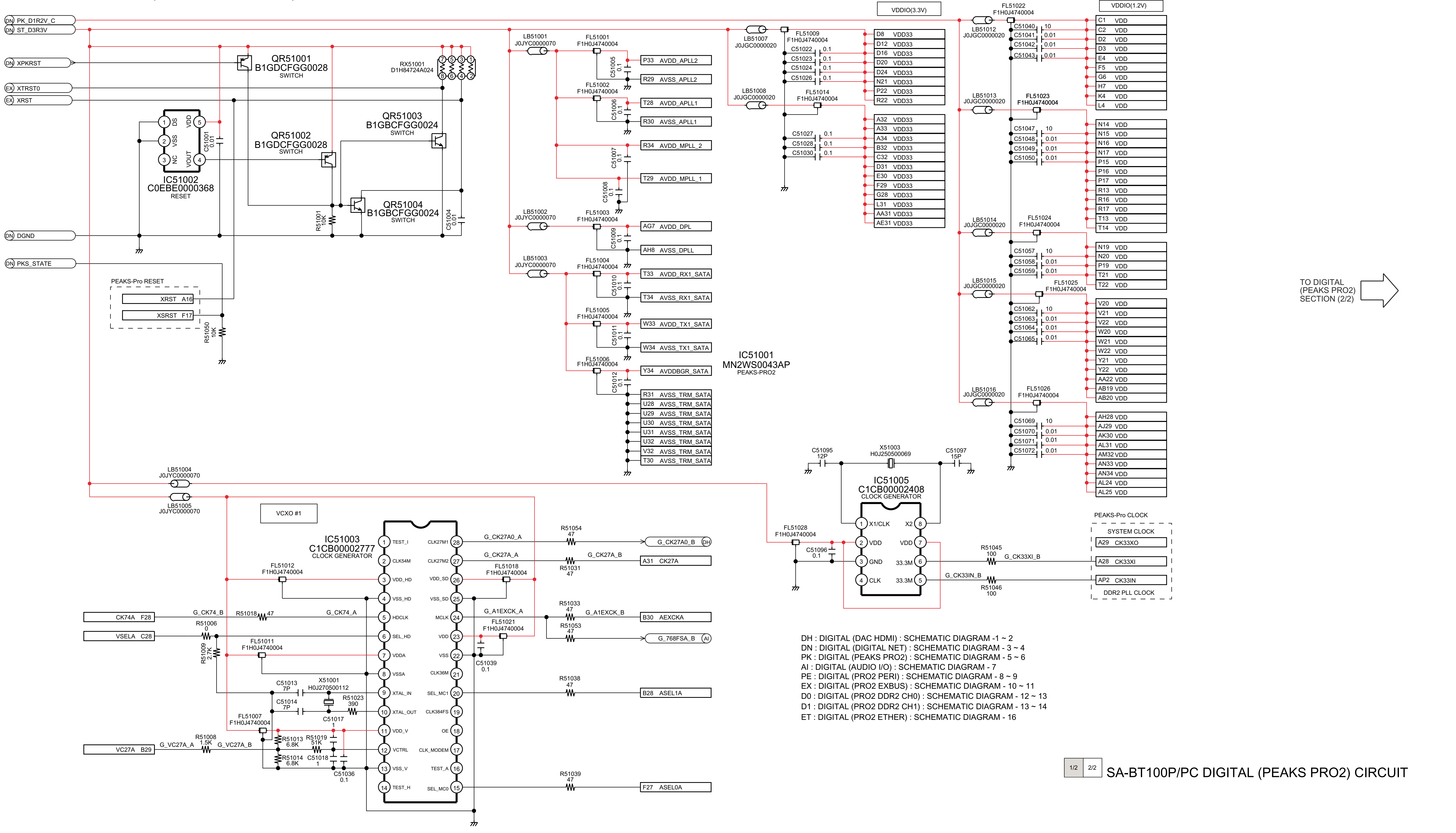


DH : DIGITAL (DAC HDMI) : SCHEMATIC DIAGRAM -1 ~ 2
DN : DIGITAL (DIGITAL NET) : SCHEMATIC DIAGRAM - 3 ~ 4
PK : DIGITAL (PEAKS PRO2) : SCHEMATIC DIAGRAM - 5 ~ 6
AI : DIGITAL (AUDIO I/O) : SCHEMATIC DIAGRAM - 7
PE : DIGITAL (PRO2 PERI) : SCHEMATIC DIAGRAM - 8 ~ 9
EX : DIGITAL (PRO2 EXBUS) : SCHEMATIC DIAGRAM - 10 ~ 11
D0 : DIGITAL (PRO2 DDR2 CH0) : SCHEMATIC DIAGRAM - 12 ~ 13
D1 : DIGITAL (PRO2 DDR2 CH1) : SCHEMATIC DIAGRAM - 13 ~ 14
ET : DIGITAL (PRO2 ETHER) : SCHEMATIC DIAGRAM - 16

SA-BT100P/PC DIGITAL (DIGITAL NET) CIRCUIT

SCHEMATIC DIAGRAM - 5

A DIGITAL (PEAKS PRO2) CIRCUIT



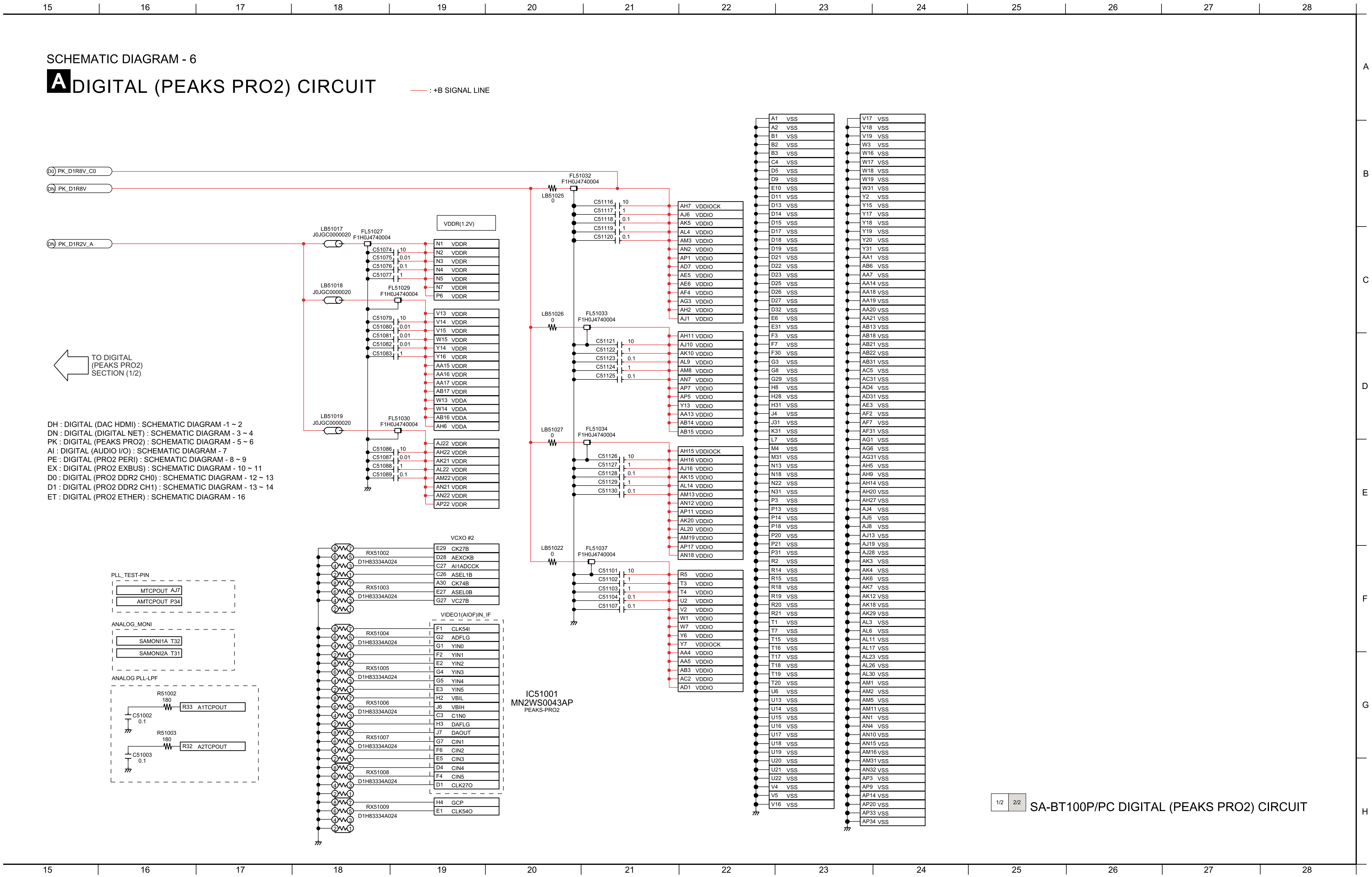
DH : DIGITAL (DAC HDMI) : SCHEMATIC DIAGRAM -1 ~ 2
DN : DIGITAL (DIGITAL NET) : SCHEMATIC DIAGRAM - 3 ~ 4
PK : DIGITAL (PEAKS PRO2) : SCHEMATIC DIAGRAM - 5 ~ 6
AI : DIGITAL (AUDIO I/O) : SCHEMATIC DIAGRAM - 7
PE : DIGITAL (PRO2 PERI) : SCHEMATIC DIAGRAM - 8 ~ 9
EX : DIGITAL (PRO2 EXBUS) : SCHEMATIC DIAGRAM - 10 ~ 11
D0 : DIGITAL (PRO2 DDR2 CH0) : SCHEMATIC DIAGRAM - 12 ~ 13
D1 : DIGITAL (PRO2 DDR2 CH1) : SCHEMATIC DIAGRAM - 13 ~ 14
ET : DIGITAL (PRO2 ETHER) : SCHEMATIC DIAGRAM - 16

1/2 2/2 SA-BT100P/PC DIGITAL (PEAKS PRO2) CIRCUIT

SCHEMATIC DIAGRAM - 6

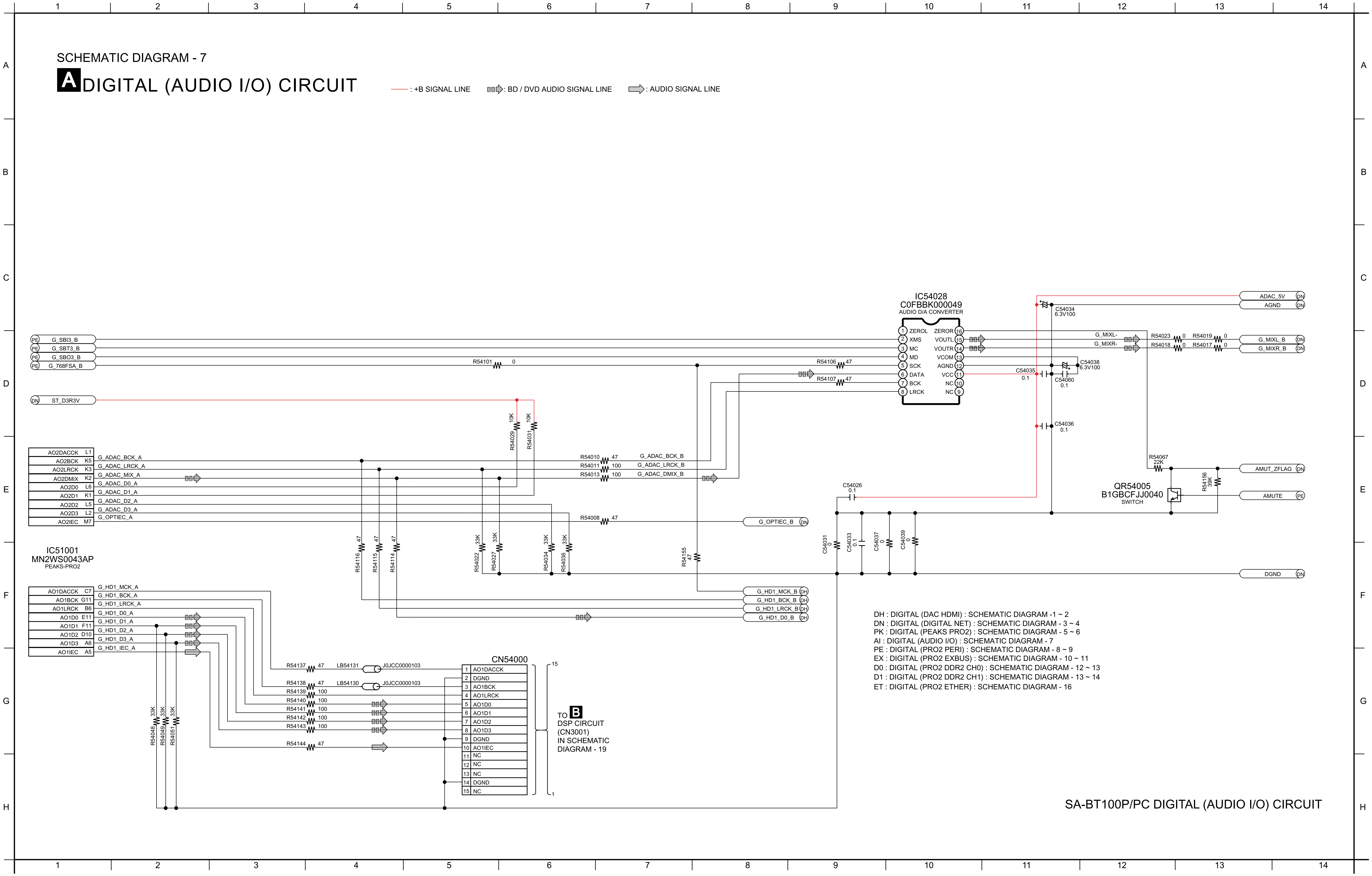
A DIGITAL (PEAKS PRO2) CIRCUIT

: +B SIGNAL LINE



DH : DIGITAL (DAC HDMI) : SCHEMATIC DIAGRAM -1 ~ 2
DN : DIGITAL (DIGITAL NET) : SCHEMATIC DIAGRAM - 3 ~ 4
PK : DIGITAL (PEAKS PRO2) : SCHEMATIC DIAGRAM - 5 ~ 6
AI : DIGITAL (AUDIO I/O) : SCHEMATIC DIAGRAM - 7
PE : DIGITAL (PRO2 PERI) : SCHEMATIC DIAGRAM - 8 ~ 9
EX : DIGITAL (PRO2 EXBUS) : SCHEMATIC DIAGRAM - 10 ~ 11
D0 : DIGITAL (PRO2 DDR2 CH0) : SCHEMATIC DIAGRAM - 12 ~ 13
D1 : DIGITAL (PRO2 DDR2 CH1) : SCHEMATIC DIAGRAM - 13 ~ 14
ET : DIGITAL (PRO2 ETHER) : SCHEMATIC DIAGRAM - 16

1/2 2/2 SA-BT100P/PC DIGITAL (PEAKS PRO2) CIRCUIT

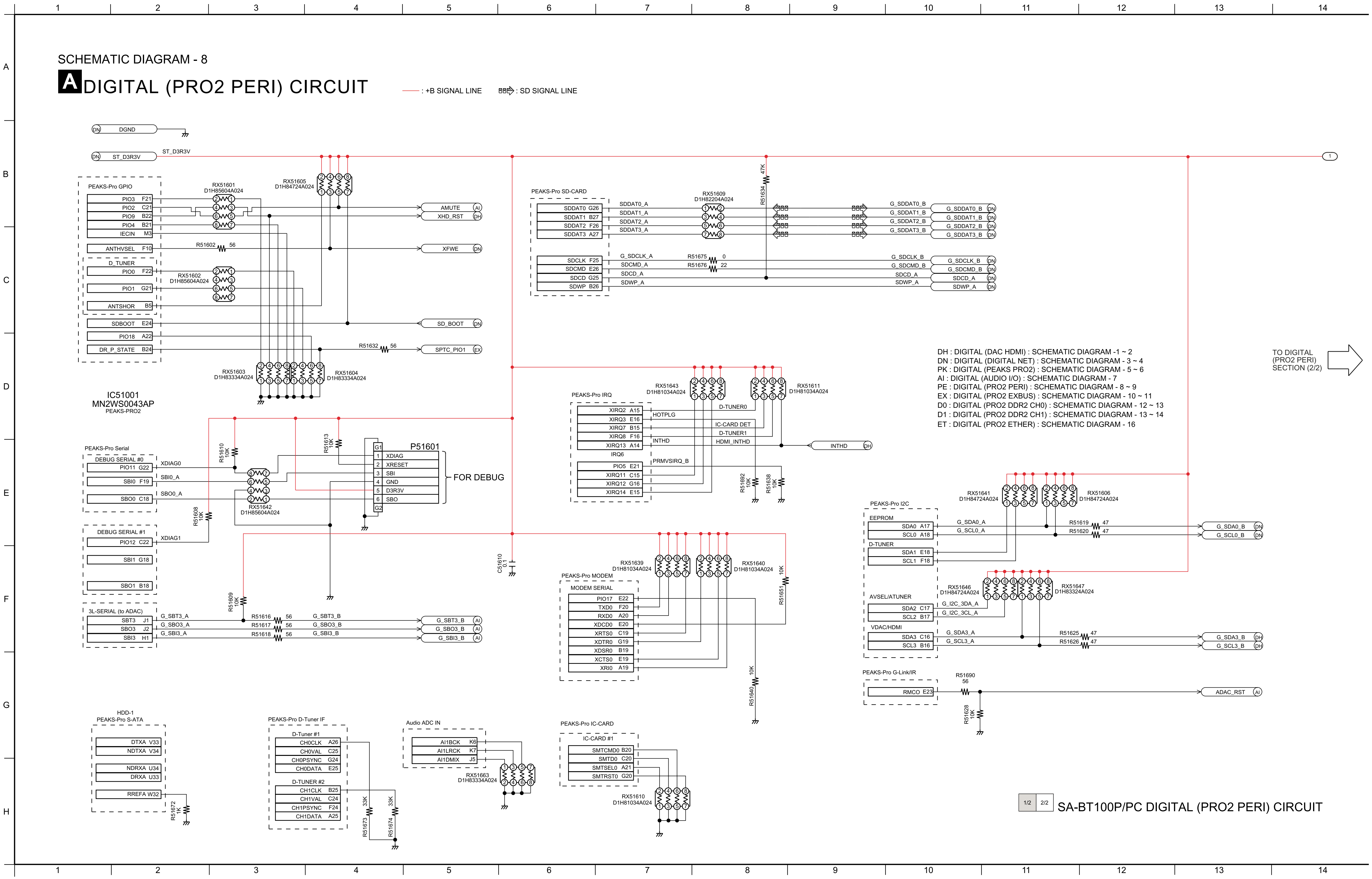


SCHEMATIC DIAGRAM - 7
A DIGITAL (AUDIO I/O) CIRCUIT
: +B SIGNAL LINE
: BD / DVD AUDIO SIGNAL LINE
: AUDIO SIGNAL LINE
IC54028
C0FBBK000049
AUDIO D/A CONVERTER
IC51001
MN2WS0043AP
PEAKS-PRO2
QR54005
B1GBCFJJ0040
SWITCH
CN54000
TO B DSP CIRCUIT (CN3001) IN SCHEMATIC DIAGRAM - 19
DH : DIGITAL (DAC HDMI) : SCHEMATIC DIAGRAM -1 ~ 2
DN : DIGITAL (DIGITAL NET) : SCHEMATIC DIAGRAM - 3 ~ 4
PK : DIGITAL (PEAKS PRO2) : SCHEMATIC DIAGRAM - 5 ~ 6
AI : DIGITAL (AUDIO I/O) : SCHEMATIC DIAGRAM - 7
PE : DIGITAL (PRO2 PERI) : SCHEMATIC DIAGRAM - 8 ~ 9
EX : DIGITAL (PRO2 EXBUS) : SCHEMATIC DIAGRAM - 10 ~ 11
D0 : DIGITAL (PRO2 DDR2 CH0) : SCHEMATIC DIAGRAM - 12 ~ 13
D1 : DIGITAL (PRO2 DDR2 CH1) : SCHEMATIC DIAGRAM - 13 ~ 14
ET : DIGITAL (PRO2 ETHER) : SCHEMATIC DIAGRAM - 16
SA-BT100P/PC DIGITAL (AUDIO I/O) CIRCUIT

SCHEMATIC DIAGRAM - 8

A DIGITAL (PRO2 PERI) CIRCUIT

: +B SIGNAL LINE : SD SIGNAL LINE



DH : DIGITAL (DAC HDMI) : SCHEMATIC DIAGRAM -1 ~ 2
DN : DIGITAL (DIGITAL NET) : SCHEMATIC DIAGRAM - 3 ~ 4
PK : DIGITAL (PEAKS PRO2) : SCHEMATIC DIAGRAM - 5 ~ 6
AI : DIGITAL (AUDIO I/O) : SCHEMATIC DIAGRAM - 7
PE : DIGITAL (PRO2 PERI) : SCHEMATIC DIAGRAM - 8 ~ 9
EX : DIGITAL (PRO2 EXBUS) : SCHEMATIC DIAGRAM - 10 ~ 11
D0 : DIGITAL (PRO2 DDR2 CH0) : SCHEMATIC DIAGRAM - 12 ~ 13
D1 : DIGITAL (PRO2 DDR2 CH1) : SCHEMATIC DIAGRAM - 13 ~ 14
ET : DIGITAL (PRO2 ETHER) : SCHEMATIC DIAGRAM - 16

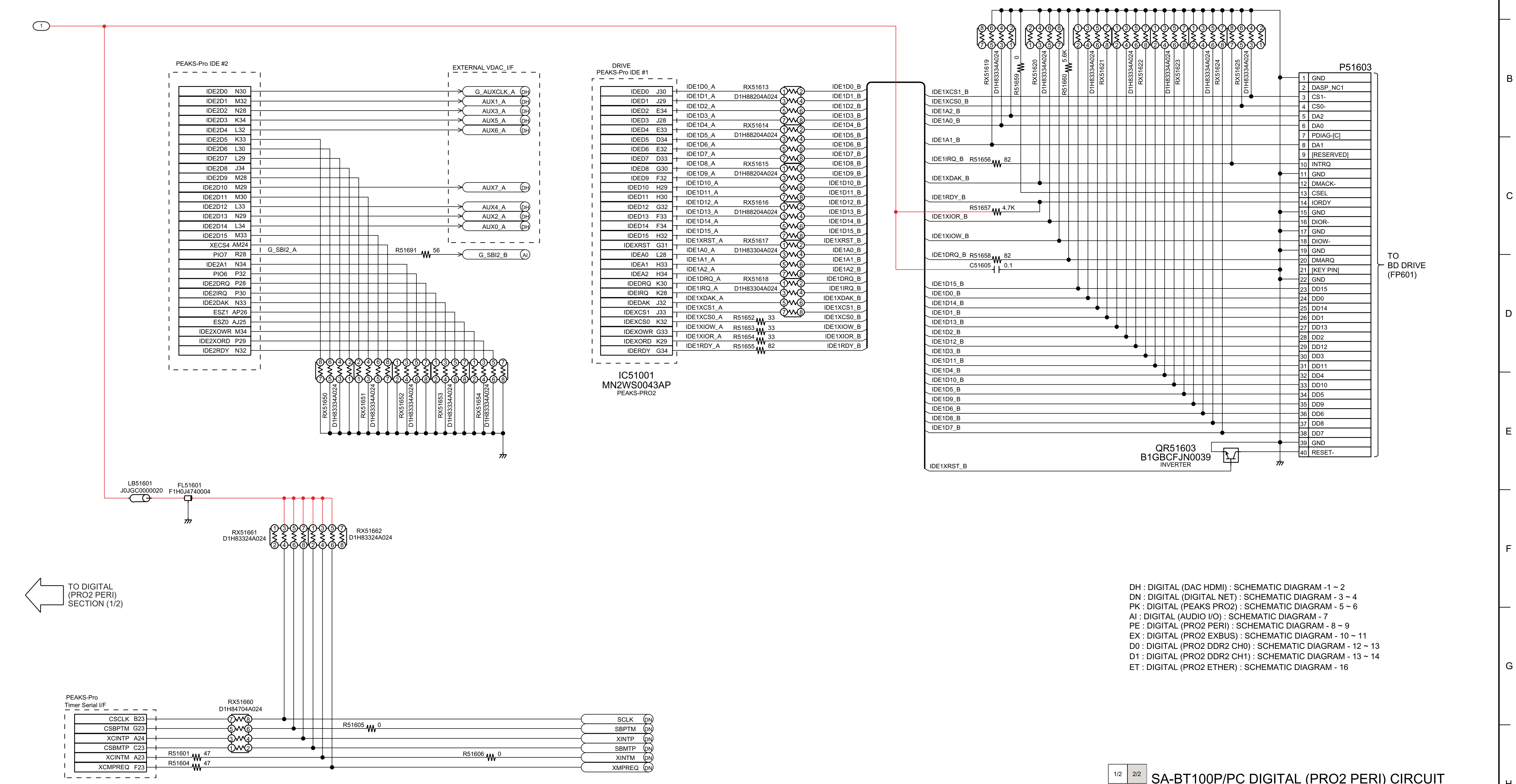
TO DIGITAL (PRO2 PERI) SECTION (2/2)

1/2 2/2 SA-BT100P/PC DIGITAL (PRO2 PERI) CIRCUIT

SCHEMATIC DIAGRAM - 9

A DIGITAL (PRO2 PERI) CIRCUIT

——: +B SIGNAL LINE ⇨: SD SIGNAL LINE



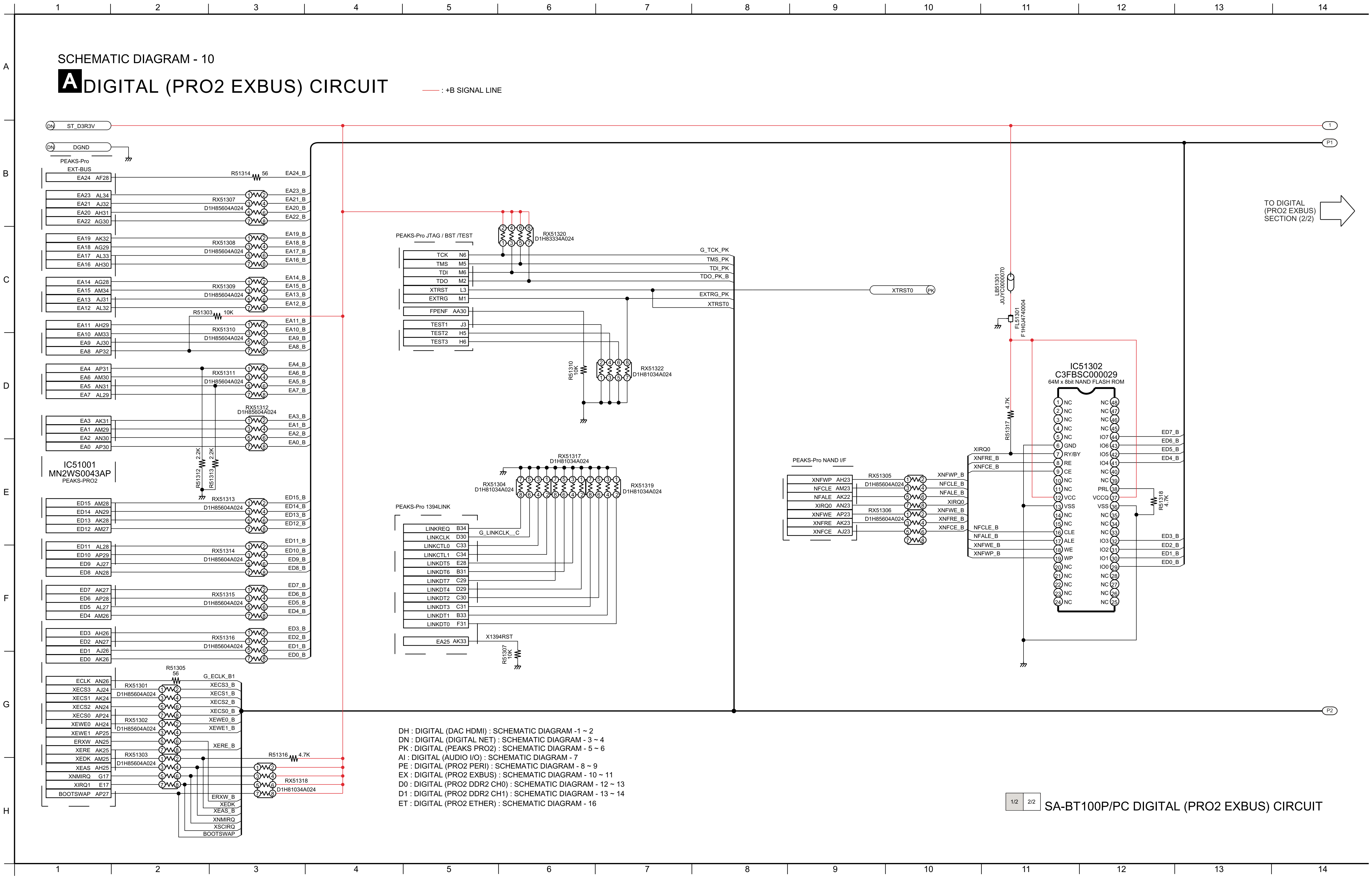
DH : DIGITAL (DAC HDMI) : SCHEMATIC DIAGRAM -1 ~ 2
DN : DIGITAL (DIGITAL NET) : SCHEMATIC DIAGRAM - 3 ~ 4
PK : DIGITAL (PEAKS PRO2) : SCHEMATIC DIAGRAM - 5 ~ 6
AI : DIGITAL (AUDIO I/O) : SCHEMATIC DIAGRAM - 7
PE : DIGITAL (PRO2 PERI) : SCHEMATIC DIAGRAM - 8 ~ 9
EX : DIGITAL (PRO2 EXBUS) : SCHEMATIC DIAGRAM - 10 ~ 11
D0 : DIGITAL (PRO2 DDR2 CH0) : SCHEMATIC DIAGRAM - 12 ~ 13
D1 : DIGITAL (PRO2 DDR2 CH1) : SCHEMATIC DIAGRAM - 13 ~ 14
ET : DIGITAL (PRO2 ETHER) : SCHEMATIC DIAGRAM - 16

1/2 2/2 SA-BT100P/PC DIGITAL (PRO2 PERI) CIRCUIT

SCHEMATIC DIAGRAM - 10

A DIGITAL (PRO2 EXBUS) CIRCUIT

—— : +B SIGNAL LINE



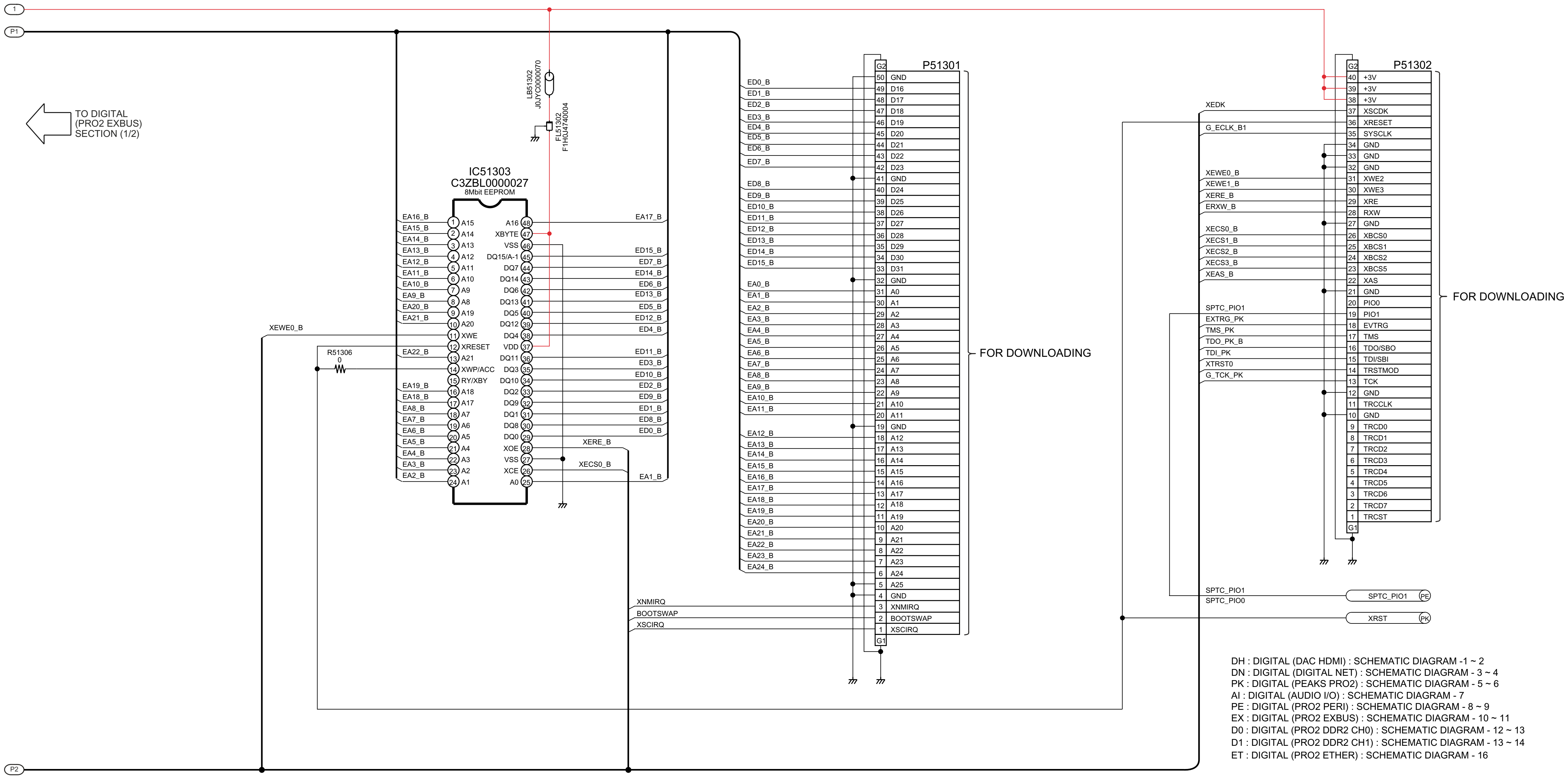
DH : DIGITAL (DAC HDMI) : SCHEMATIC DIAGRAM -1 ~ 2
DN : DIGITAL (DIGITAL NET) : SCHEMATIC DIAGRAM - 3 ~ 4
PK : DIGITAL (PEAKS PRO2) : SCHEMATIC DIAGRAM - 5 ~ 6
AI : DIGITAL (AUDIO I/O) : SCHEMATIC DIAGRAM - 7
PE : DIGITAL (PRO2 PERI) : SCHEMATIC DIAGRAM - 8 ~ 9
EX : DIGITAL (PRO2 EXBUS) : SCHEMATIC DIAGRAM - 10 ~ 11
D0 : DIGITAL (PRO2 DDR2 CH0) : SCHEMATIC DIAGRAM - 12 ~ 13
D1 : DIGITAL (PRO2 DDR2 CH1) : SCHEMATIC DIAGRAM - 13 ~ 14
ET : DIGITAL (PRO2 ETHER) : SCHEMATIC DIAGRAM - 16

1/2 2/2 SA-BT100P/PC DIGITAL (PRO2 EXBUS) CIRCUIT

SCHEMATIC DIAGRAM - 11

A DIGITAL (PRO2 EXBUS) CIRCUIT

—— : +B SIGNAL LINE



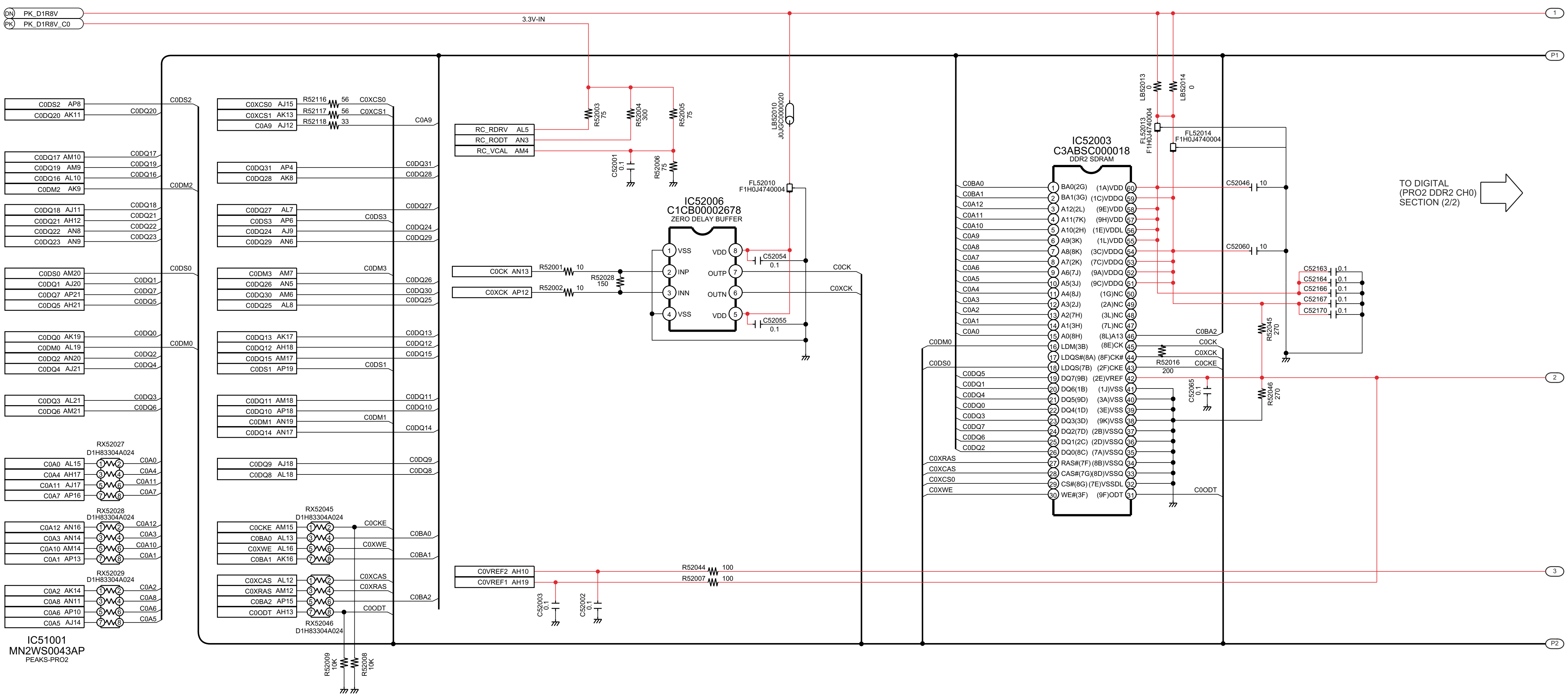
DH : DIGITAL (DAC HDMI) : SCHEMATIC DIAGRAM -1 ~ 2
DN : DIGITAL (DIGITAL NET) : SCHEMATIC DIAGRAM - 3 ~ 4
PK : DIGITAL (PEAKS PRO2) : SCHEMATIC DIAGRAM - 5 ~ 6
AI : DIGITAL (AUDIO I/O) : SCHEMATIC DIAGRAM - 7
PE : DIGITAL (PRO2 PERI) : SCHEMATIC DIAGRAM - 8 ~ 9
EX : DIGITAL (PRO2 EXBUS) : SCHEMATIC DIAGRAM - 10 ~ 11
D0 : DIGITAL (PRO2 DDR2 CH0) : SCHEMATIC DIAGRAM - 12 ~ 13
D1 : DIGITAL (PRO2 DDR2 CH1) : SCHEMATIC DIAGRAM - 13 ~ 14
ET : DIGITAL (PRO2 ETHER) : SCHEMATIC DIAGRAM - 16

1/2 2/2 SA-BT100P/PC DIGITAL (PRO2 EXBUS) CIRCUIT

SCHEMATIC DIAGRAM - 12

A DIGITAL (PRO2 DDR2 CH0) CIRCUIT

: +B SIGNAL LINE



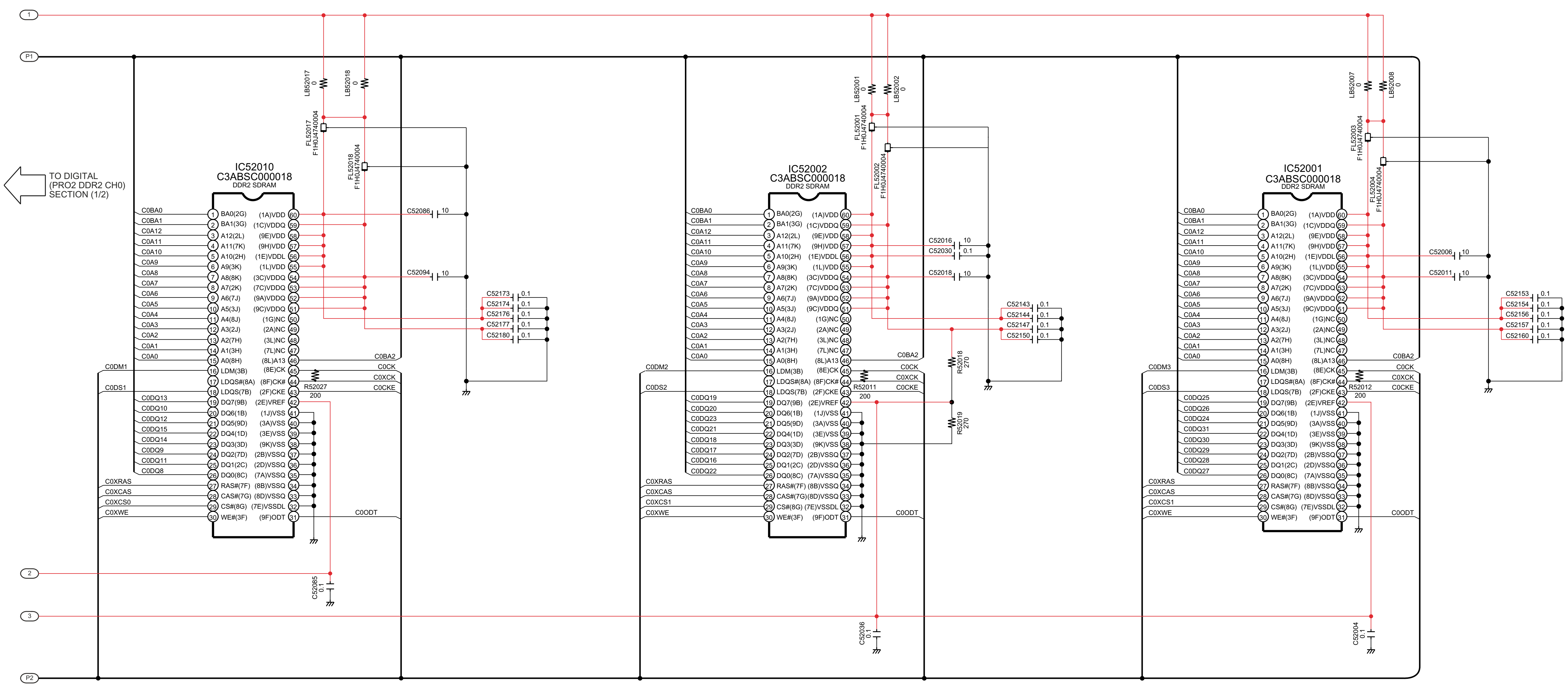
DH : DIGITAL (DAC HDMI) : SCHEMATIC DIAGRAM -1 ~ 2
DN : DIGITAL (DIGITAL NET) : SCHEMATIC DIAGRAM - 3 ~ 4
PK : DIGITAL (PEAKS PRO2) : SCHEMATIC DIAGRAM - 5 ~ 6
AI : DIGITAL (AUDIO I/O) : SCHEMATIC DIAGRAM - 7
PE : DIGITAL (PRO2 PERI) : SCHEMATIC DIAGRAM - 8 ~ 9
EX : DIGITAL (PRO2 EXBUS) : SCHEMATIC DIAGRAM - 10 ~ 11
D0 : DIGITAL (PRO2 DDR2 CH0) : SCHEMATIC DIAGRAM - 12 ~ 13
D1 : DIGITAL (PRO2 DDR2 CH1) : SCHEMATIC DIAGRAM - 13 ~ 14
ET : DIGITAL (PRO2 ETHER) : SCHEMATIC DIAGRAM - 16

1/2 2/2 SA-BT100P/PC DIGITAL (PRO2 DDR2 CH0) CIRCUIT

SCHEMATIC DIAGRAM - 13

A DIGITAL (PRO2 DDR2 CH0) CIRCUIT

—— : +B SIGNAL LINE



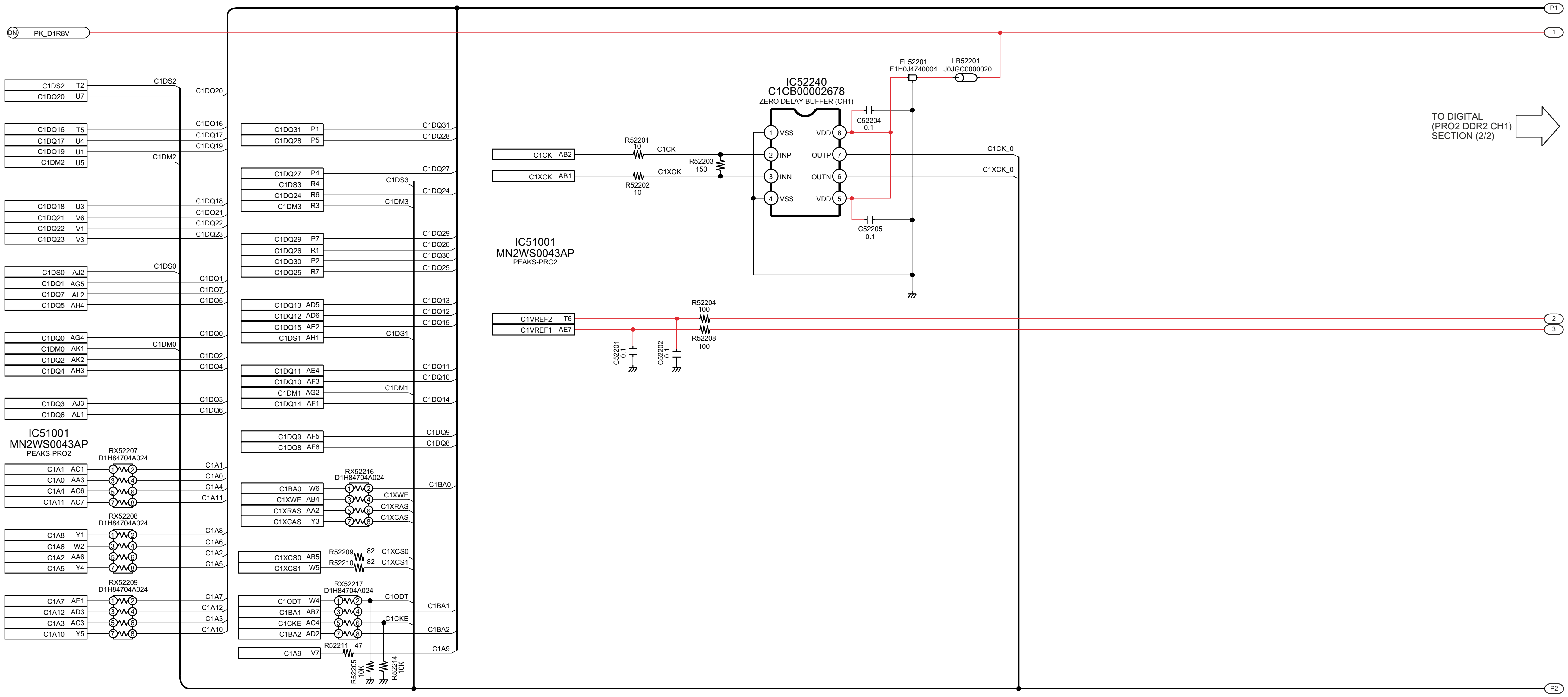
DH : DIGITAL (DAC HDMI) : SCHEMATIC DIAGRAM -1 ~ 2
DN : DIGITAL (DIGITAL NET) : SCHEMATIC DIAGRAM - 3 ~ 4
PK : DIGITAL (PEAKS PRO2) : SCHEMATIC DIAGRAM - 5 ~ 6
AI : DIGITAL (AUDIO I/O) : SCHEMATIC DIAGRAM - 7
PE : DIGITAL (PRO2 PERI) : SCHEMATIC DIAGRAM - 8 ~ 9
EX : DIGITAL (PRO2 EXBUS) : SCHEMATIC DIAGRAM - 10 ~ 11
D0 : DIGITAL (PRO2 DDR2 CH0) : SCHEMATIC DIAGRAM - 12 ~ 13
D1 : DIGITAL (PRO2 DDR2 CH1) : SCHEMATIC DIAGRAM - 13 ~ 14
ET : DIGITAL (PRO2 ETHER) : SCHEMATIC DIAGRAM - 16

1/2 2/2 SA-BT100P/PC DIGITAL (PRO2 DDR2 CH0) CIRCUIT

SCHEMATIC DIAGRAM - 14

A DIGITAL (PRO2 DDR2 CH1) CIRCUIT

—— : +B SIGNAL LINE



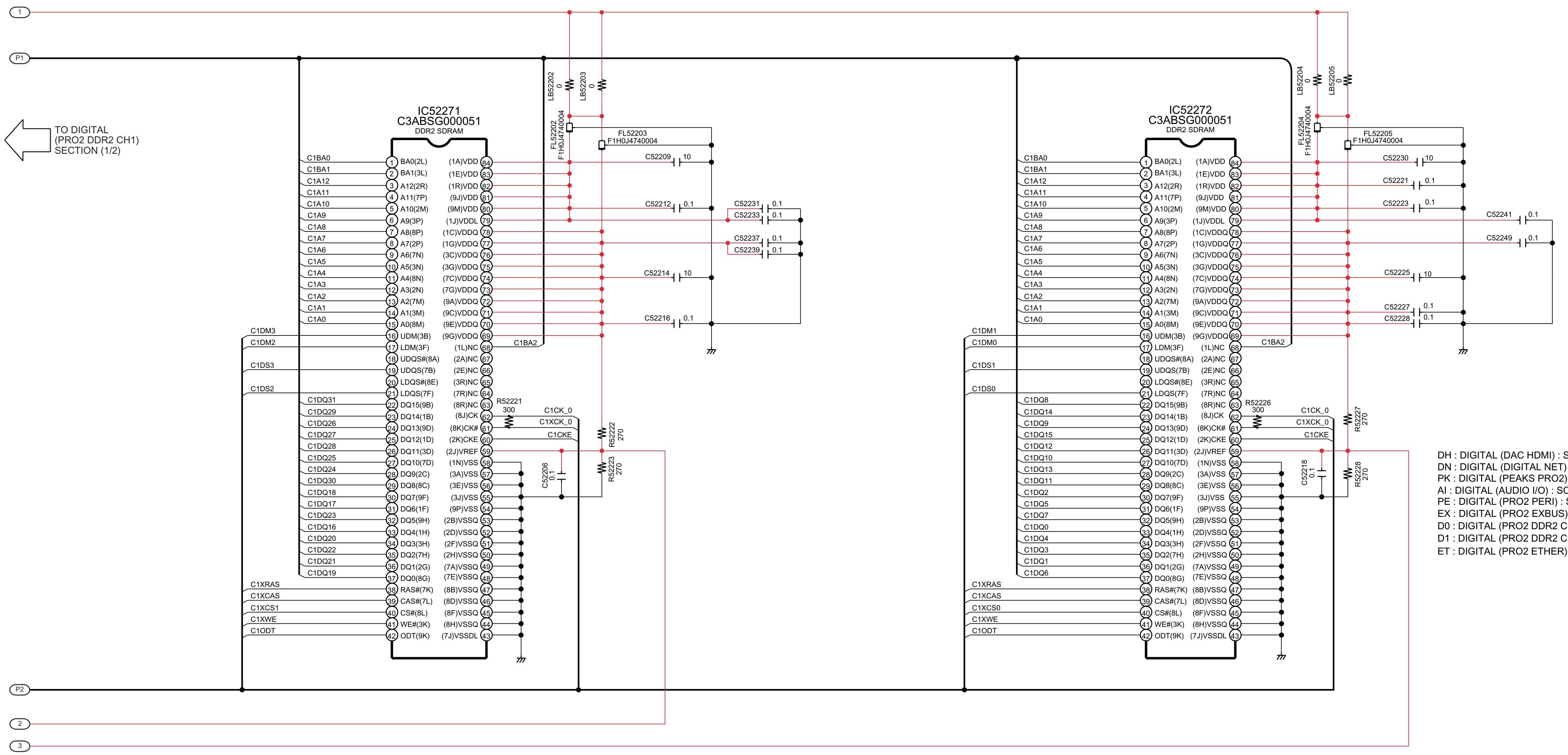
DH : DIGITAL (DAC HDMI) : SCHEMATIC DIAGRAM -1 ~ 2
DN : DIGITAL (DIGITAL NET) : SCHEMATIC DIAGRAM - 3 ~ 4
PK : DIGITAL (PEAKS PRO2) : SCHEMATIC DIAGRAM - 5 ~ 6
AI : DIGITAL (AUDIO I/O) : SCHEMATIC DIAGRAM - 7
PE : DIGITAL (PRO2 PERI) : SCHEMATIC DIAGRAM - 8 ~ 9
EX : DIGITAL (PRO2 EXBUS) : SCHEMATIC DIAGRAM - 10 ~ 11
D0 : DIGITAL (PRO2 DDR2 CH0) : SCHEMATIC DIAGRAM - 12 ~ 13
D1 : DIGITAL (PRO2 DDR2 CH1) : SCHEMATIC DIAGRAM - 13 ~ 14
ET : DIGITAL (PRO2 ETHER) : SCHEMATIC DIAGRAM - 16

1/2 2/2 SA-BT100P/PC DIGITAL (PRO2 DDR2 CH1) CIRCUIT

SCHEMATIC DIAGRAM - 15

A DIGITAL (PRO2 DDR2 CH1) CIRCUIT

: +B SIGNAL LINE



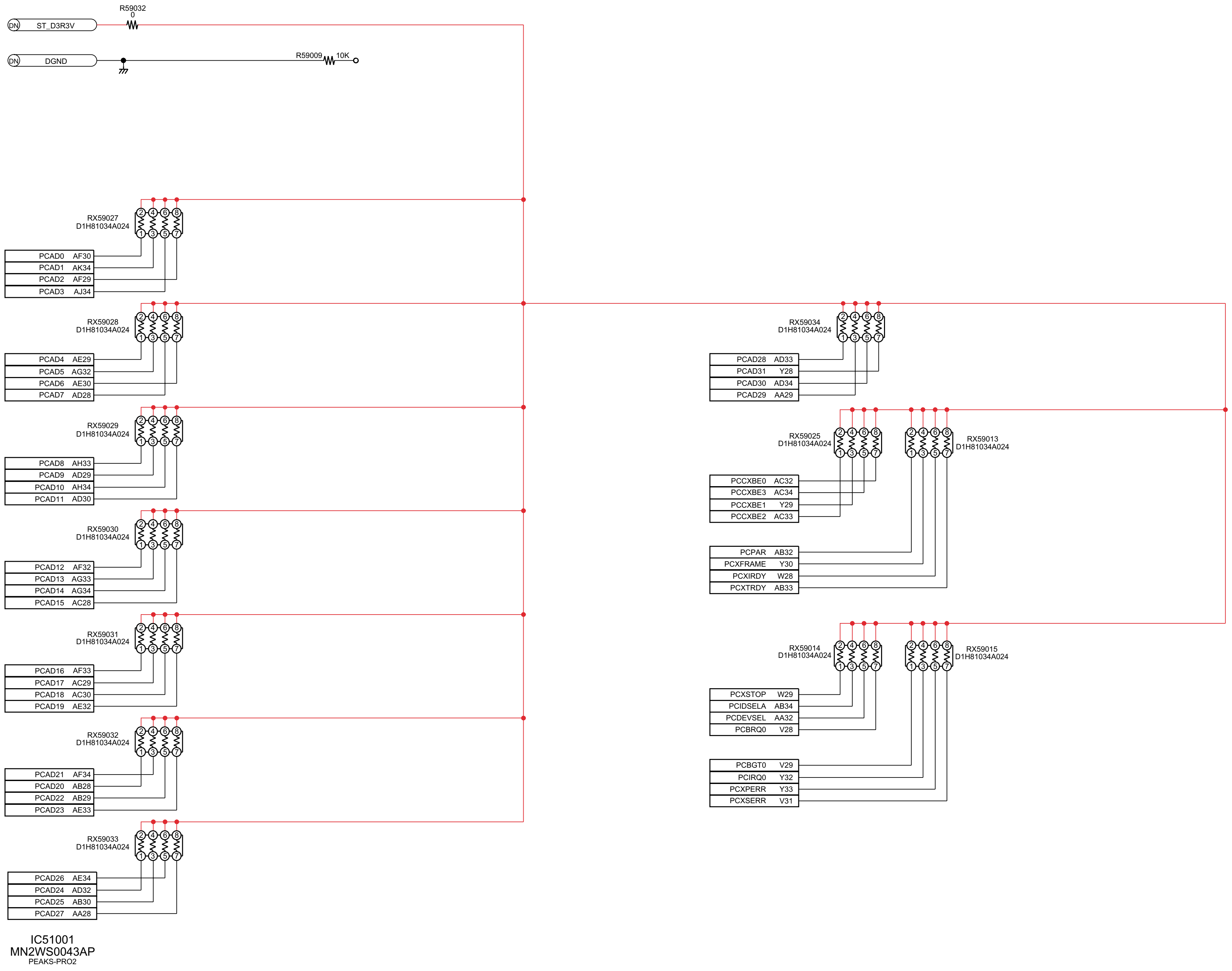
DH : DIGITAL (DAC HDMI) : SCHEMATIC DIAGRAM -1 ~ 2
DN : DIGITAL (DIGITAL NET) : SCHEMATIC DIAGRAM - 3 ~ 4
PK : DIGITAL (PEAKS PRO2) : SCHEMATIC DIAGRAM - 5 ~ 6
AI : DIGITAL (AUDIO I/O) : SCHEMATIC DIAGRAM - 7
PE : DIGITAL (PRO2 PERI) : SCHEMATIC DIAGRAM - 8 ~ 9
EX : DIGITAL (PRO2 EXBUS) : SCHEMATIC DIAGRAM - 10 ~ 11
D0 : DIGITAL (PRO2 DDR2 CH0) : SCHEMATIC DIAGRAM - 12 ~ 13
D1 : DIGITAL (PRO2 DDR2 CH1) : SCHEMATIC DIAGRAM - 13 ~ 14
ET : DIGITAL (PRO2 ETHER) : SCHEMATIC DIAGRAM - 16

1/2 2/2 SA-BT100P/PC DIGITAL (PRO2 DDR2 CH1) CIRCUIT

SCHEMATIC DIAGRAM - 16

A DIGITAL (PRO2 ETHER) CIRCUIT

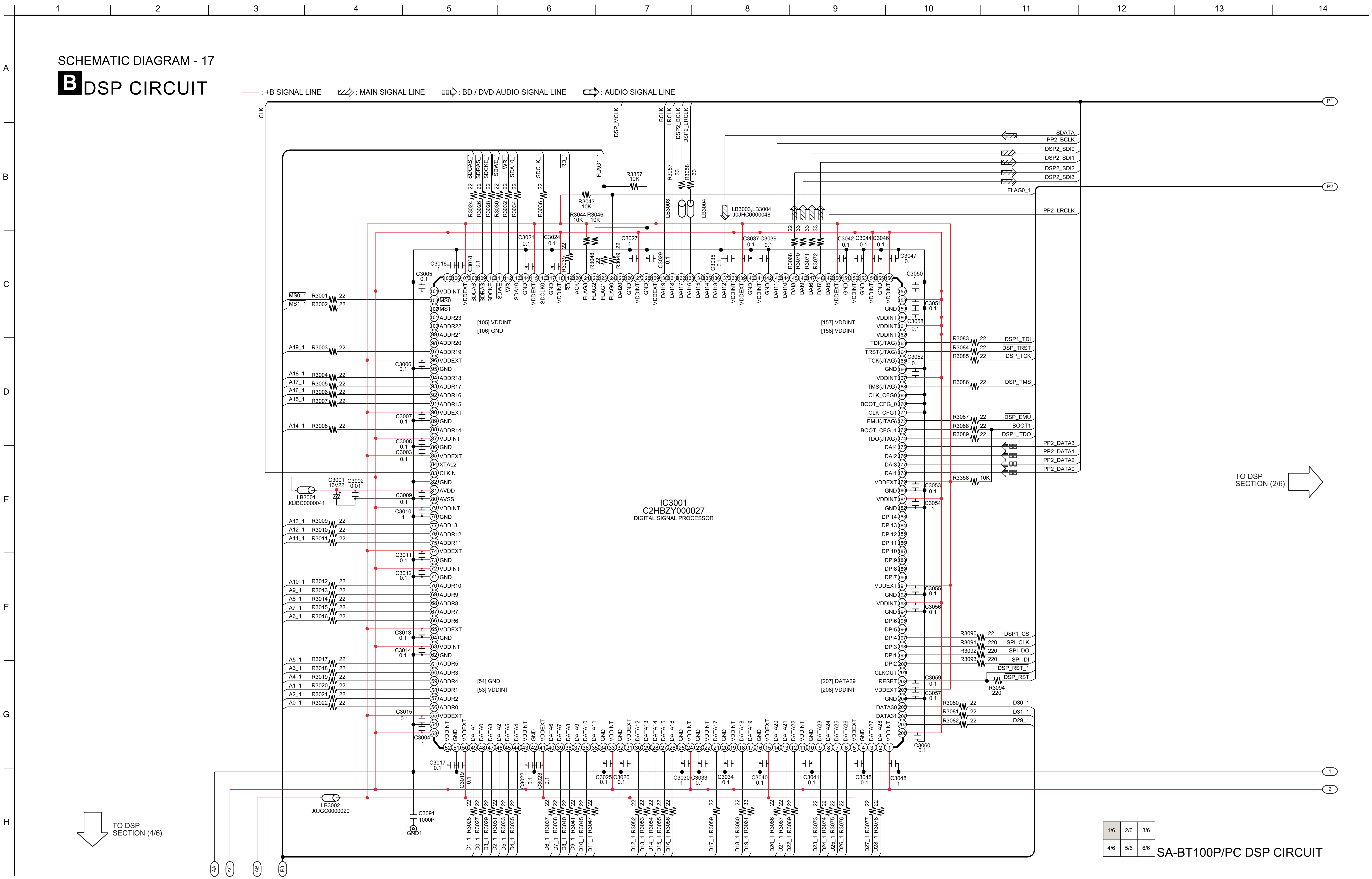
: +B SIGNAL LINE



DH : DIGITAL (DAC HDMI) : SCHEMATIC DIAGRAM -1 ~ 2
DN : DIGITAL (DIGITAL NET) : SCHEMATIC DIAGRAM - 3 ~ 4
PK : DIGITAL (PEAKS PRO2) : SCHEMATIC DIAGRAM - 5 ~ 6
AI : DIGITAL (AUDIO I/O) : SCHEMATIC DIAGRAM - 7
PE : DIGITAL (PRO2 PERI) : SCHEMATIC DIAGRAM - 8 ~ 9
EX : DIGITAL (PRO2 EXBUS) : SCHEMATIC DIAGRAM - 10 ~ 11
D0 : DIGITAL (PRO2 DDR2 CH0) : SCHEMATIC DIAGRAM - 12 ~ 13
D1 : DIGITAL (PRO2 DDR2 CH1) : SCHEMATIC DIAGRAM - 13 ~ 14
ET : DIGITAL (PRO2 ETHER) : SCHEMATIC DIAGRAM - 16

SA-BT100P/PC DIGITAL (PRO2 ETHER) CIRCUIT

19.2. DSP Circuit

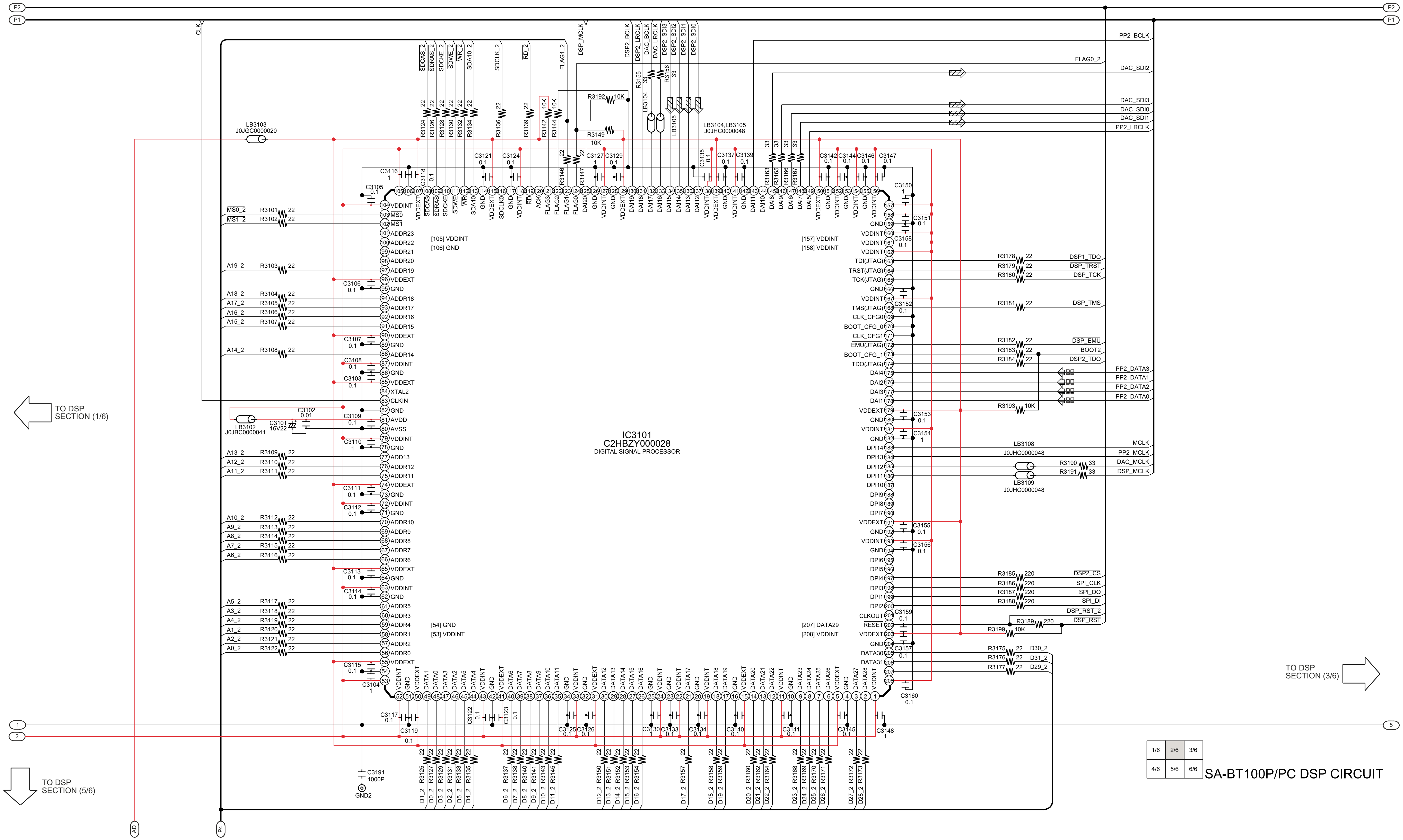


15 16 17 18 19 20 21 22 23 24 25 26 27 28

SCHEMATIC DIAGRAM - 18

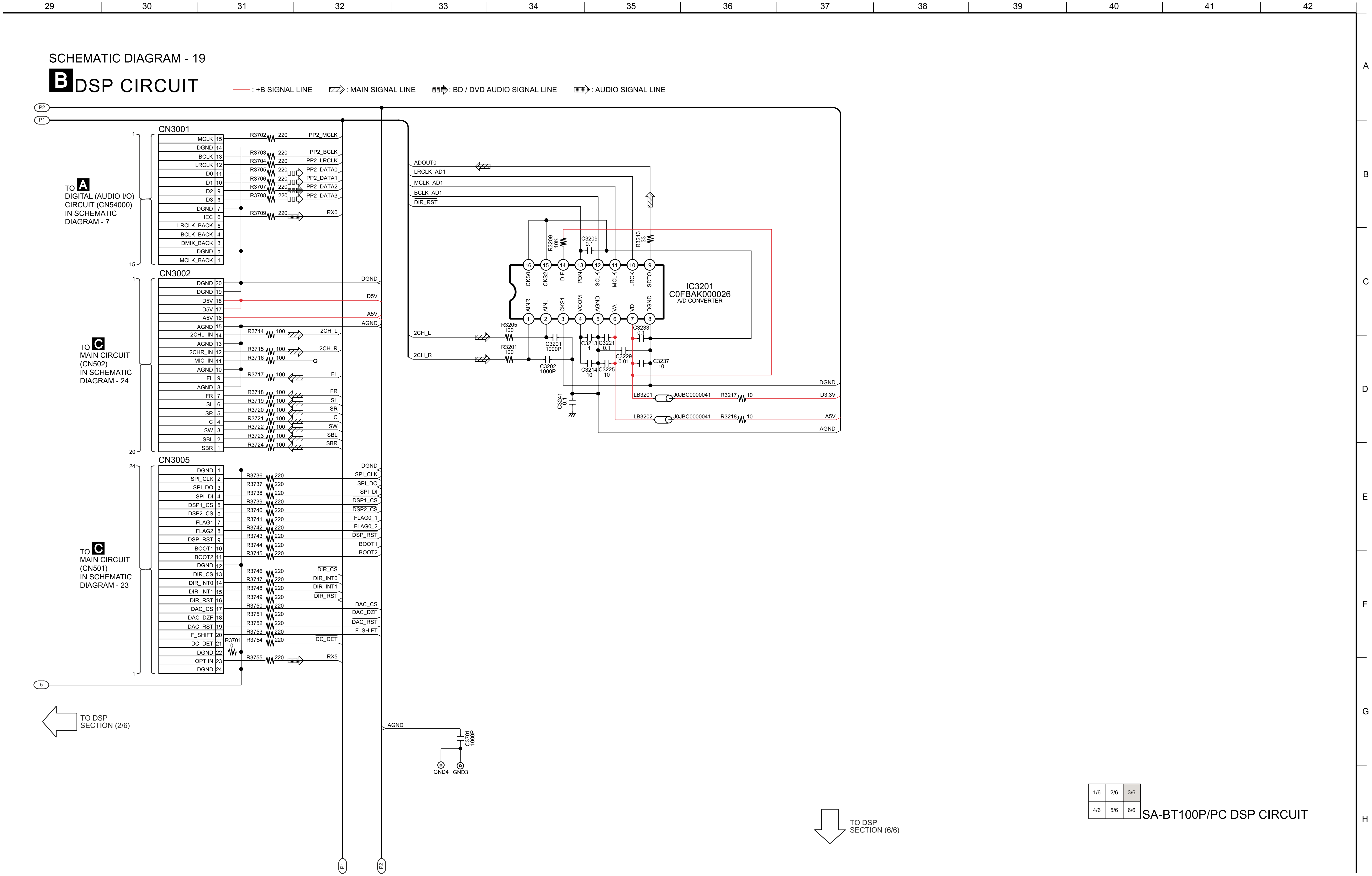
B DSP CIRCUIT

: +B SIGNAL LINE : MAIN SIGNAL LINE : BD / DVD AUDIO SIGNAL LINE : AUDIO SIGNAL LINE



SCHEMATIC DIAGRAM - 19

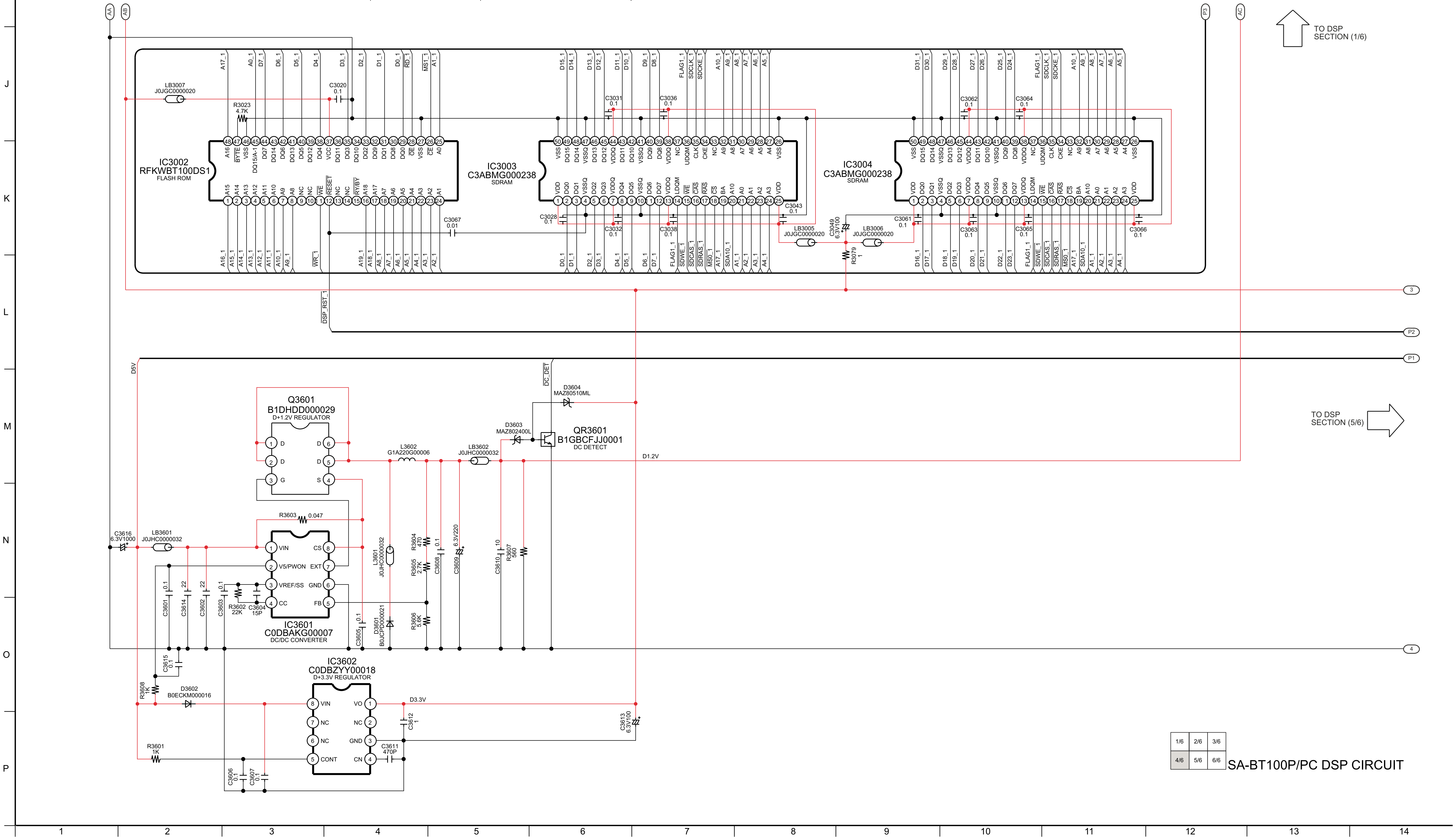
B DSP CIRCUIT



SCHEMATIC DIAGRAM - 20

B DSP CIRCUIT

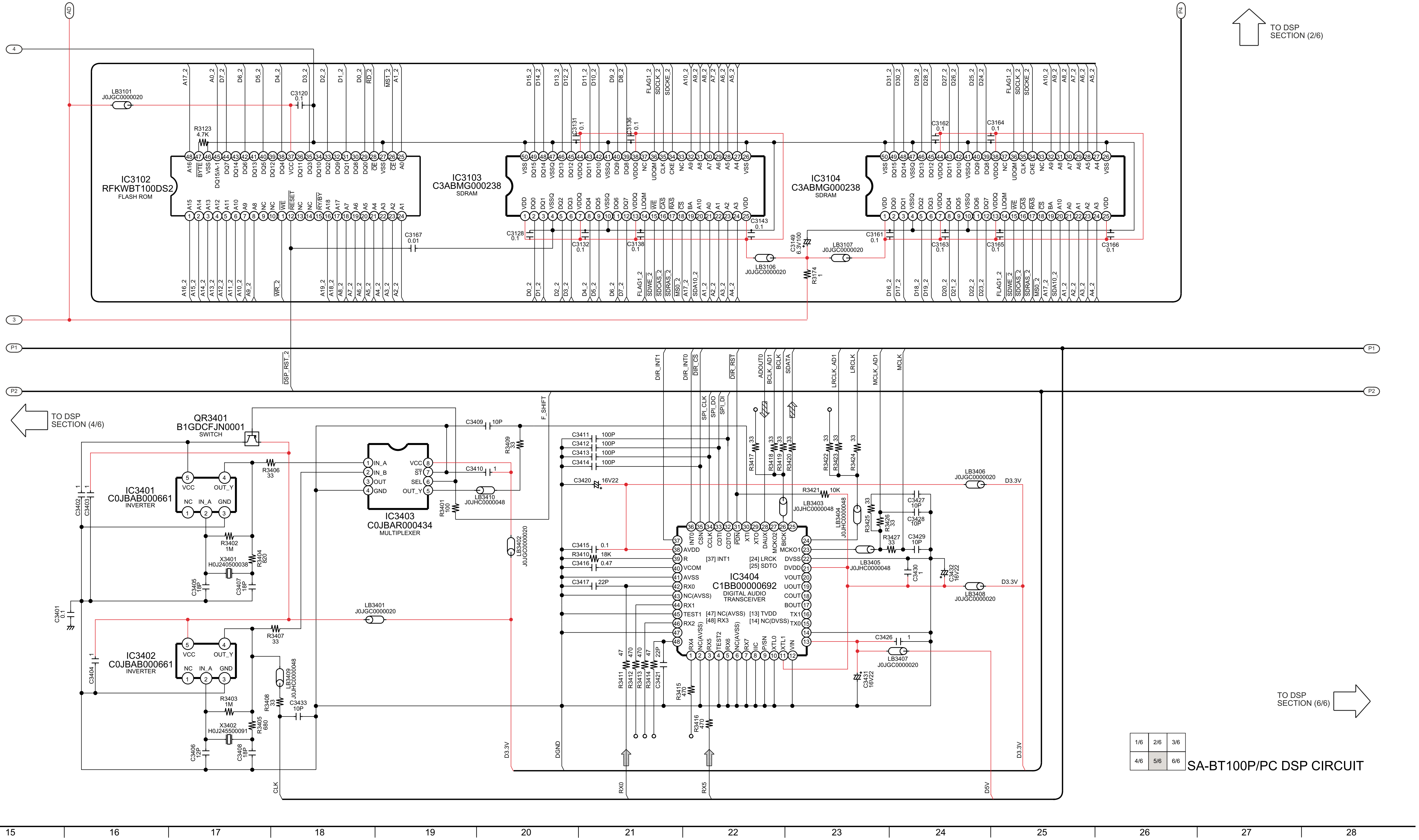
—— : +B SIGNAL LINE   : MAIN SIGNAL LINE   : BD / DVD AUDIO SIGNAL LINE   : AUDIO SIGNAL LINE



SCHEMATIC DIAGRAM - 21

B DSP CIRCUIT

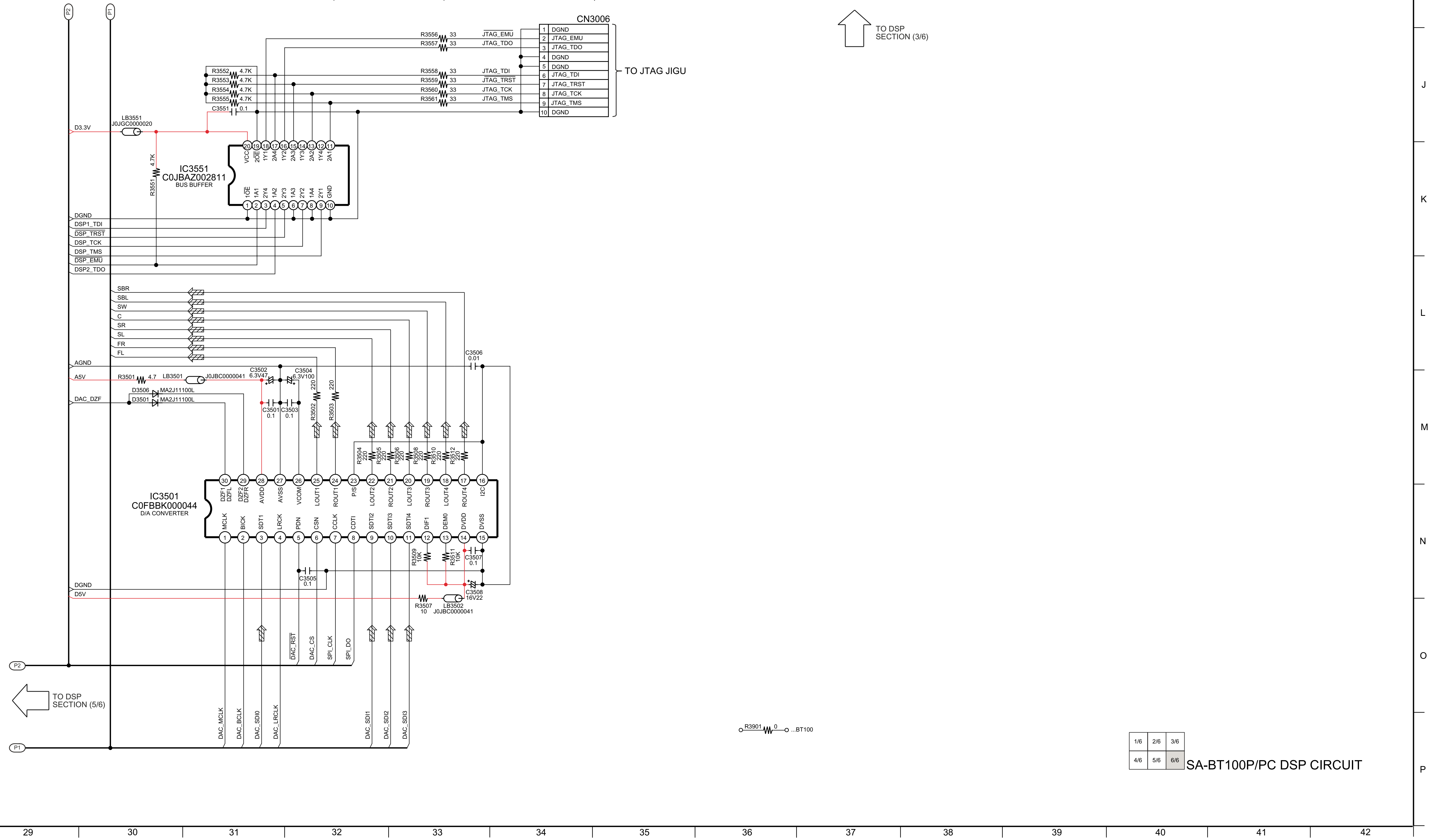
: +B SIGNAL LINE : MAIN SIGNAL LINE : BD / DVD AUDIO SIGNAL LINE : AUDIO SIGNAL LINE



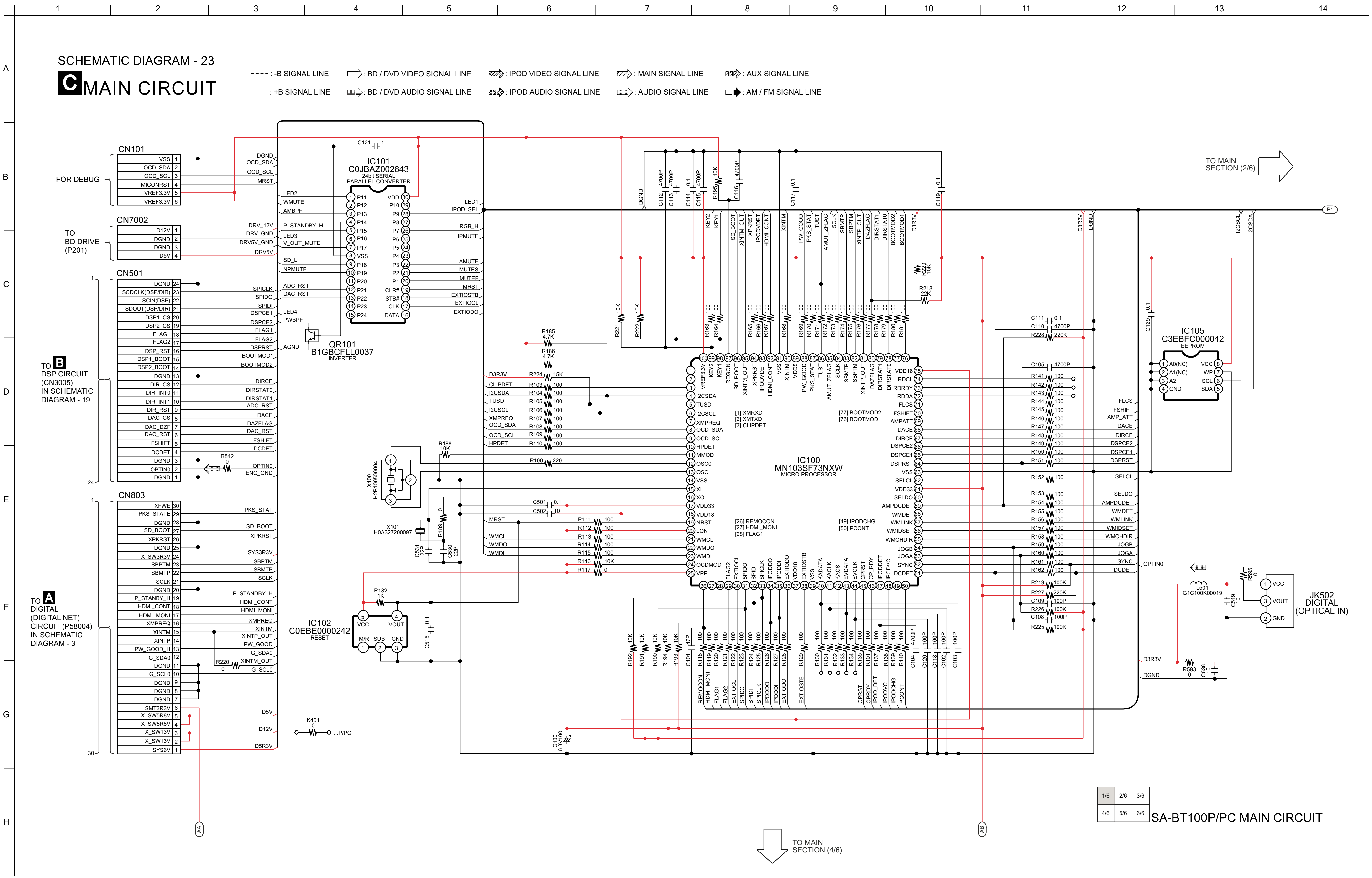
SCHEMATIC DIAGRAM - 22

B DSP CIRCUIT

— : +B SIGNAL LINE   : MAIN SIGNAL LINE   : BD / DVD AUDIO SIGNAL LINE   : AUDIO SIGNAL LINE

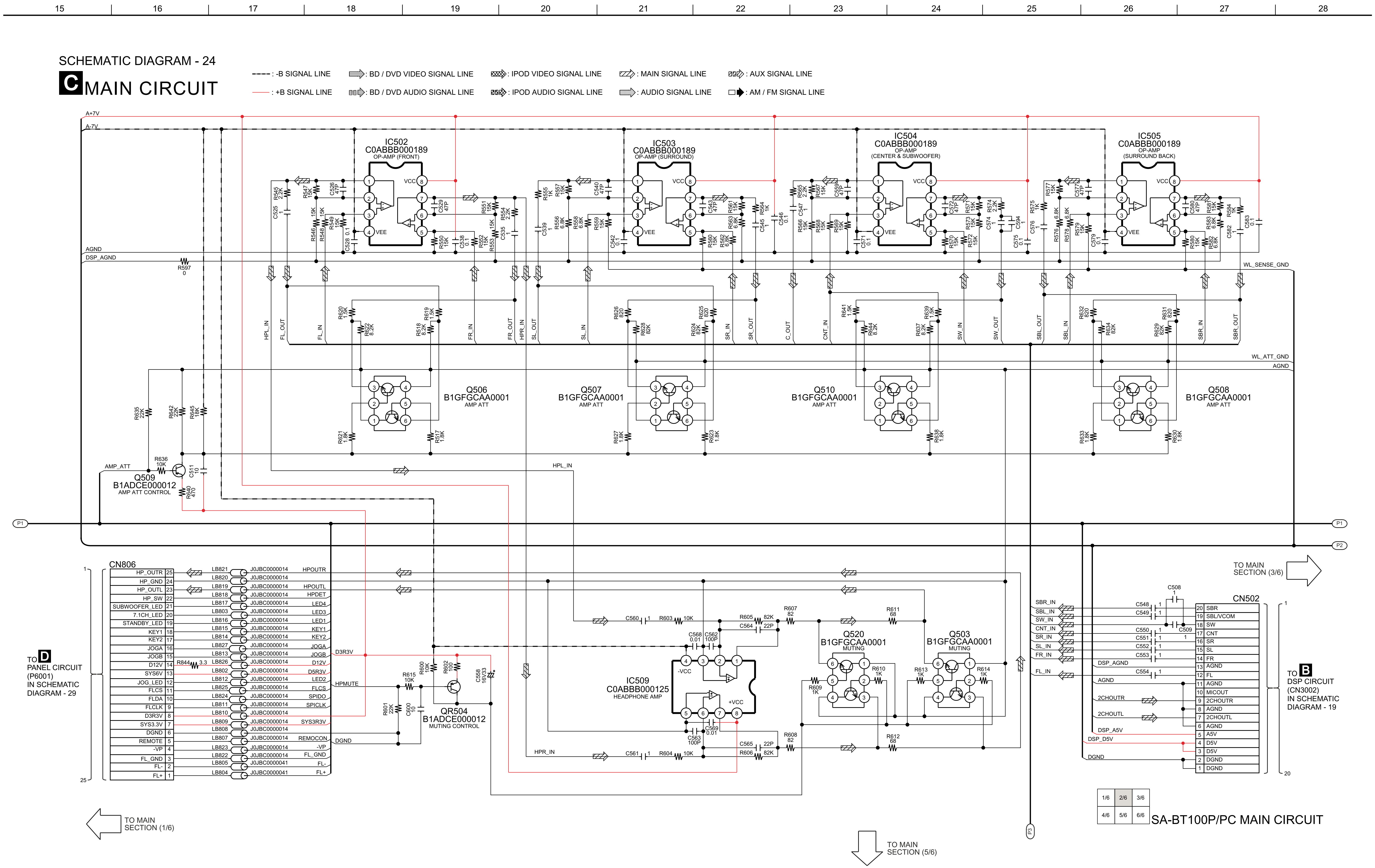


19.3. Main Circuit



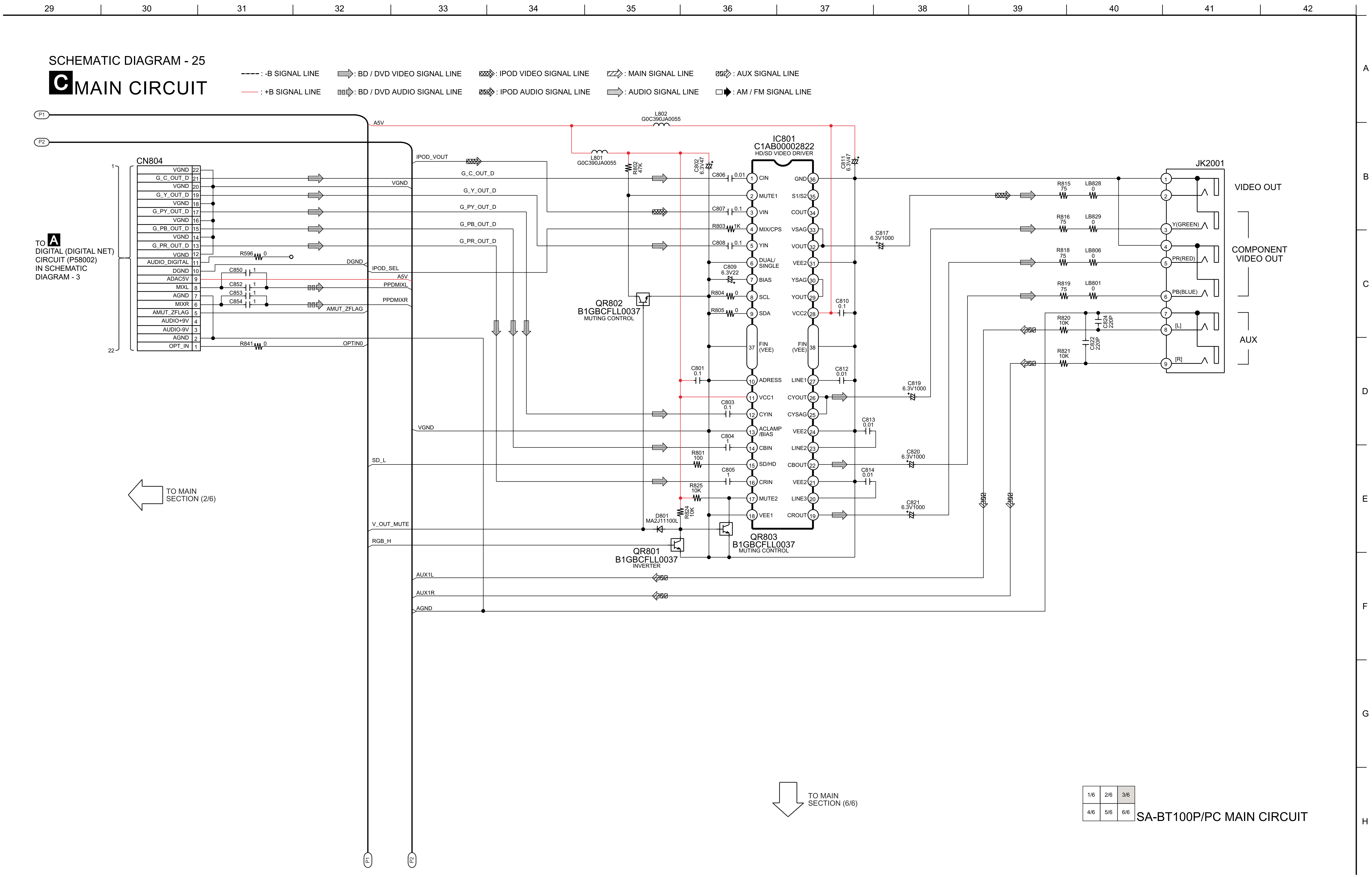
SCHEMATIC DIAGRAM - 24

C MAIN CIRCUIT



SCHEMATIC DIAGRAM - 25

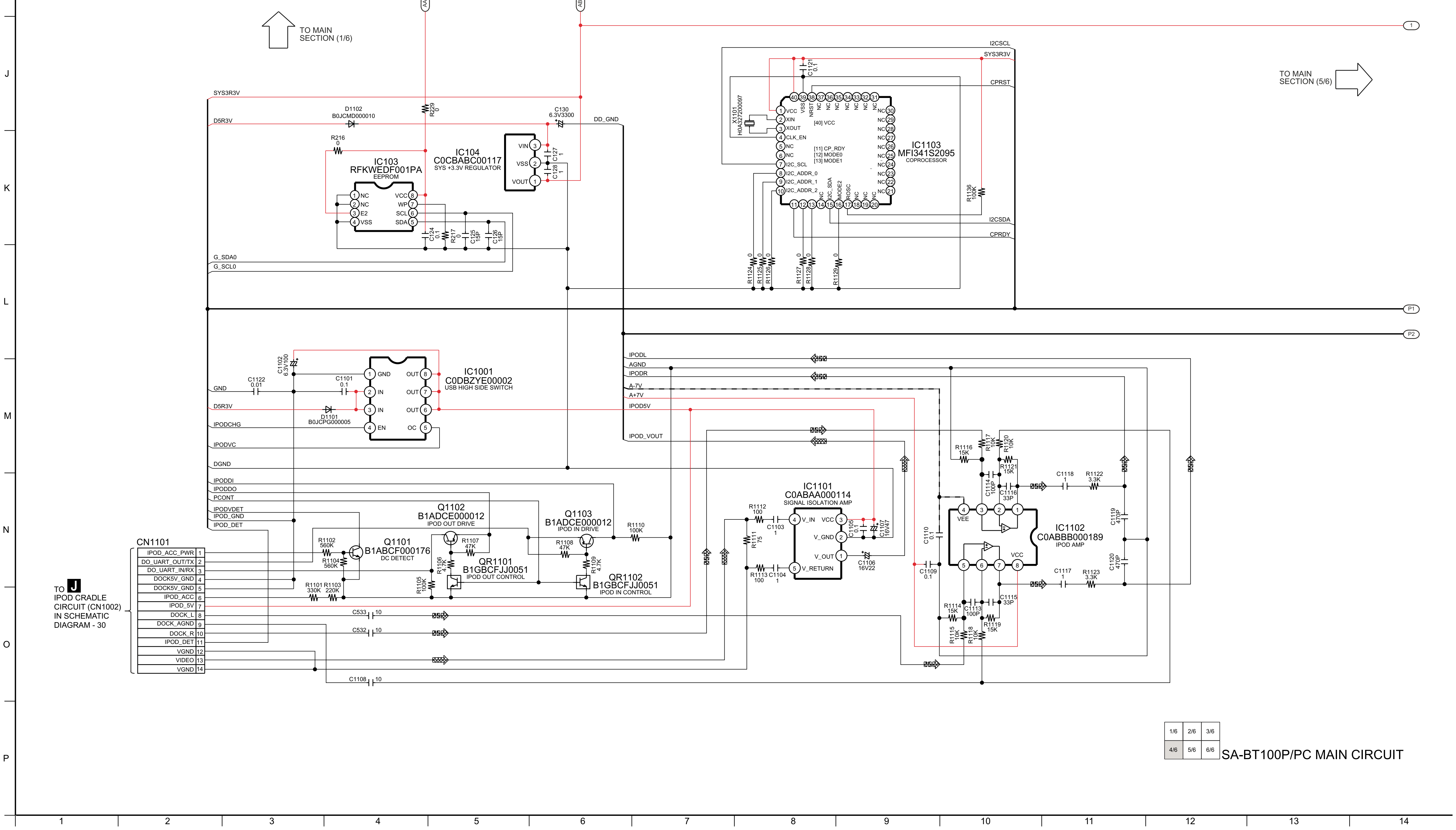
C MAIN CIRCUIT



SA-BT100P/PC MAIN CIRCUIT

SCHEMATIC DIAGRAM - 26

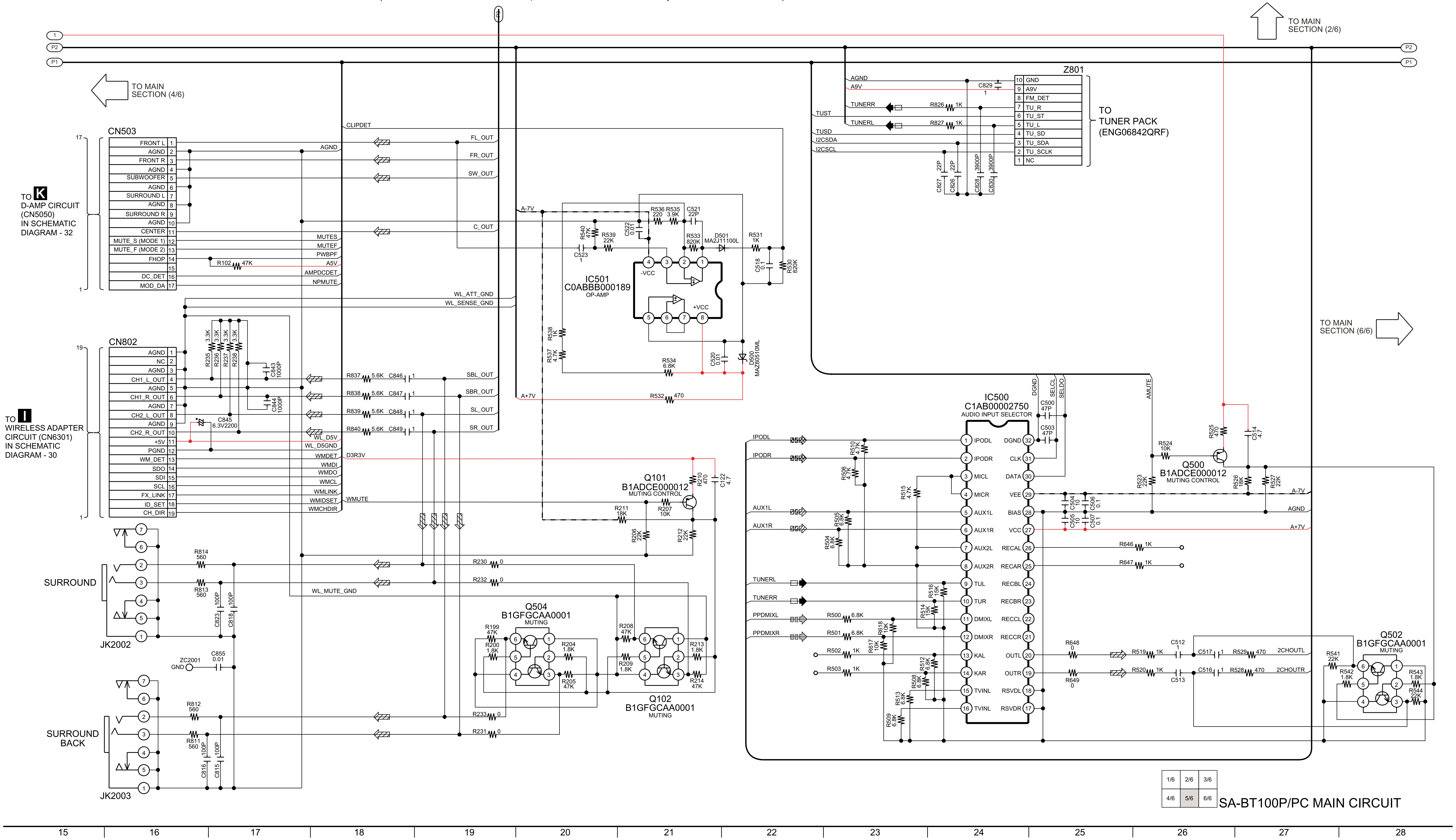
C MAIN CIRCUIT



SCHEMATIC DIAGRAM - 27

C MAIN CIRCUIT

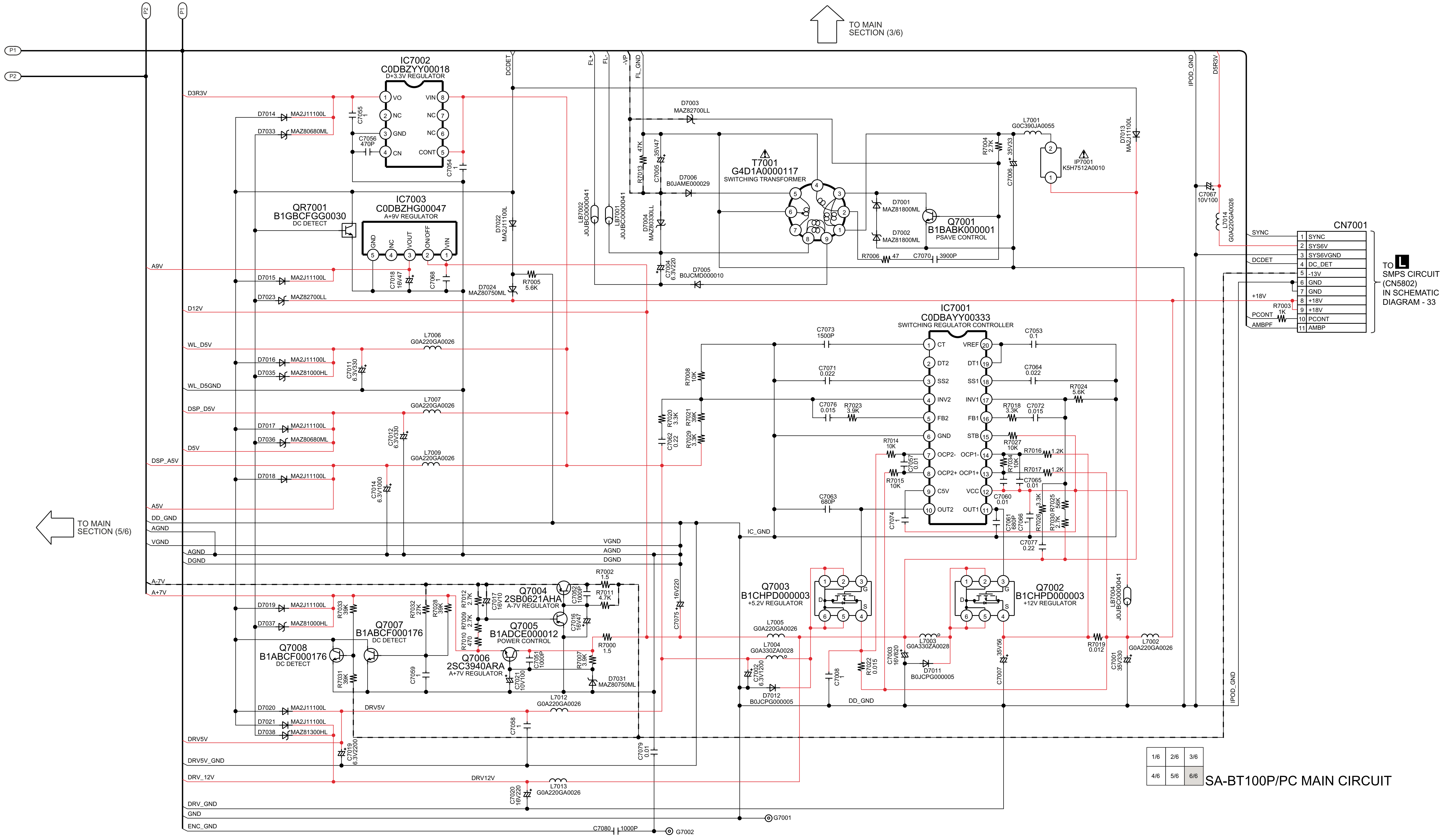
- - - - : -B SIGNAL LINE
—— : +B SIGNAL LINE
: BD / DVD VIDEO SIGNAL LINE
: BD / DVD AUDIO SIGNAL LINE
: IPOD VIDEO SIGNAL LINE
: IPOD AUDIO SIGNAL LINE
: MAIN SIGNAL LINE
: AUDIO SIGNAL LINE
: AUX SIGNAL LINE
: AM / FM SIGNAL LINE



SCHEMATIC DIAGRAM - 28

C MAIN CIRCUIT

-B SIGNAL LINE
+B SIGNAL LINE
BD / DVD VIDEO SIGNAL LINE
BD / DVD AUDIO SIGNAL LINE
IPOD VIDEO SIGNAL LINE
IPOD AUDIO SIGNAL LINE
MAIN SIGNAL LINE
AUDIO SIGNAL LINE
AUX SIGNAL LINE
AM / FM SIGNAL LINE



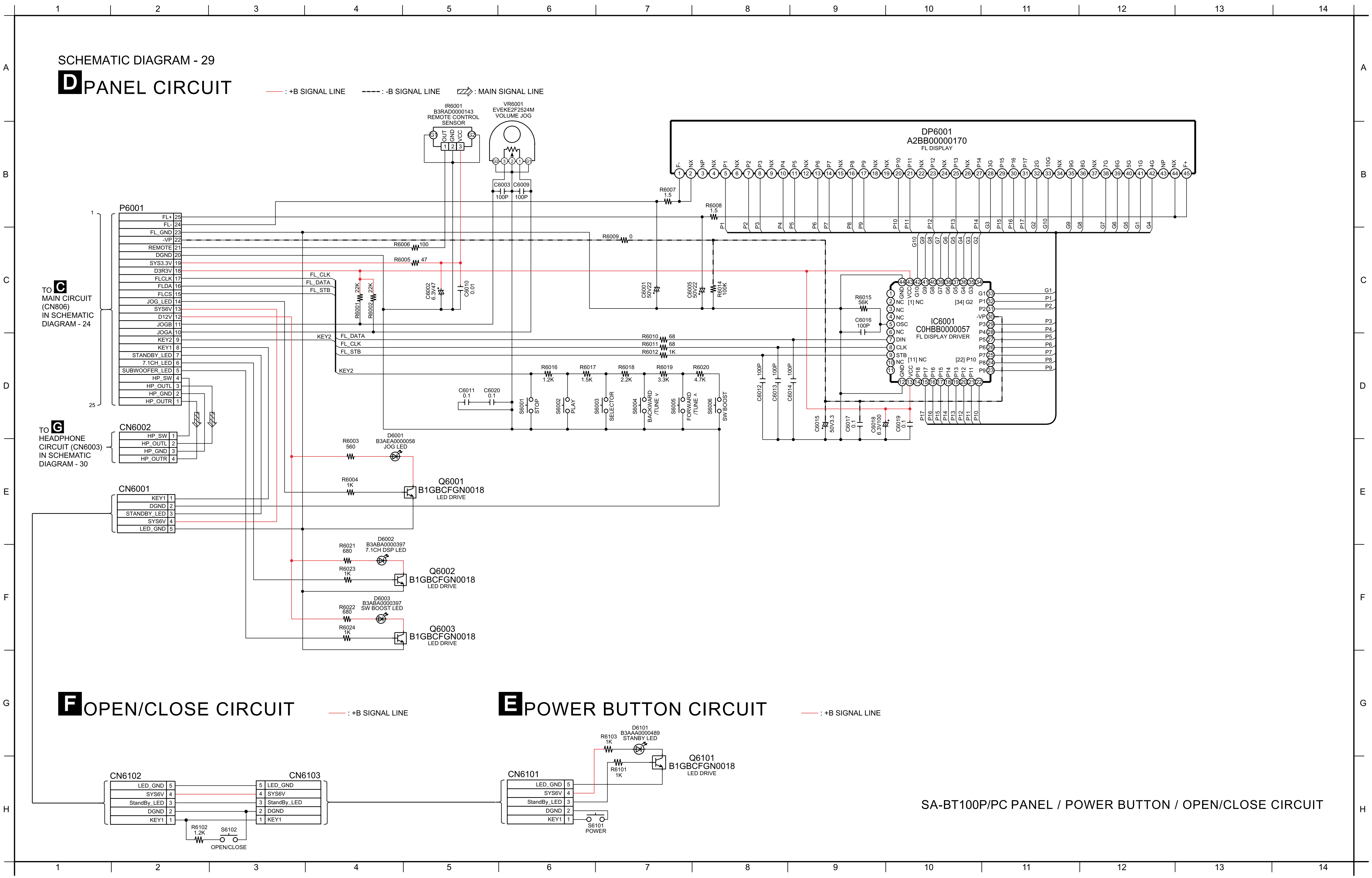
1/6	2/6	3/6
4/6	5/6	6/6

SA-BT100P/PC MAIN CIRCUIT

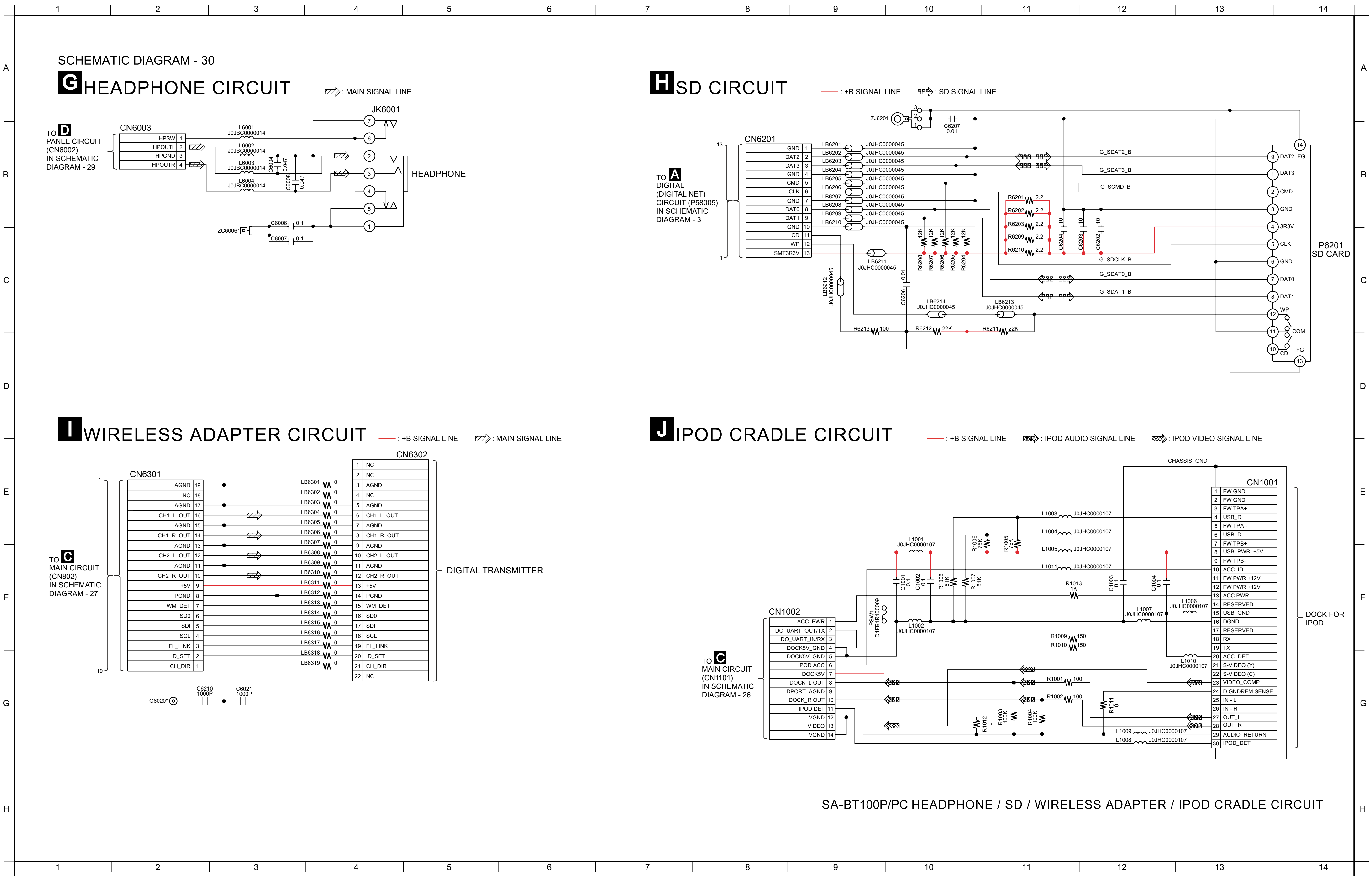
29 30 31 32 33 34 35 36 37 38 39 40 41 42

I J K L M N O P

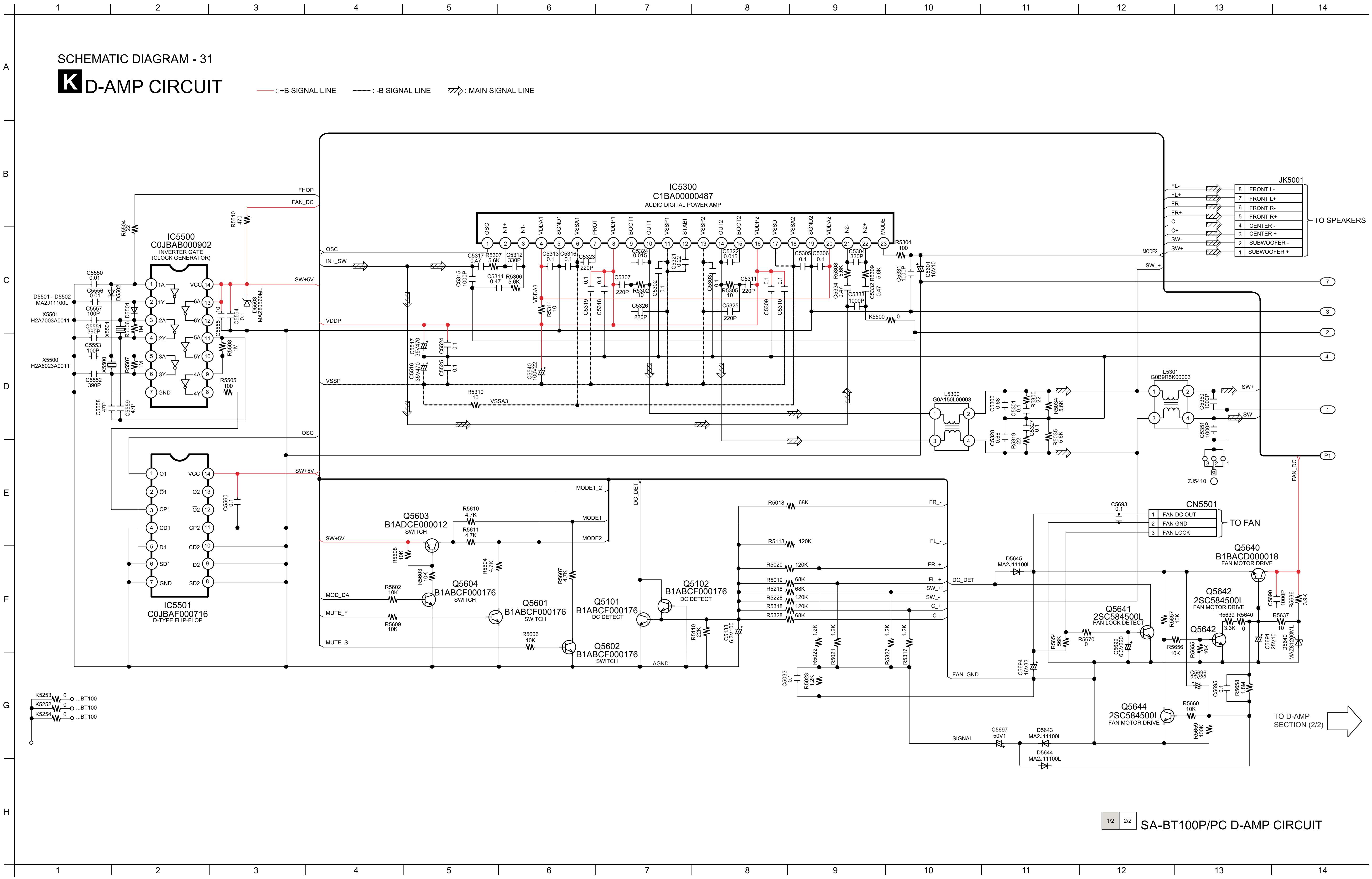
19.4. Panel, Power Button, Open/Close Circuit



19.5. Headphone, SD, Wireless Adapter, Ipod Cradle Circuit

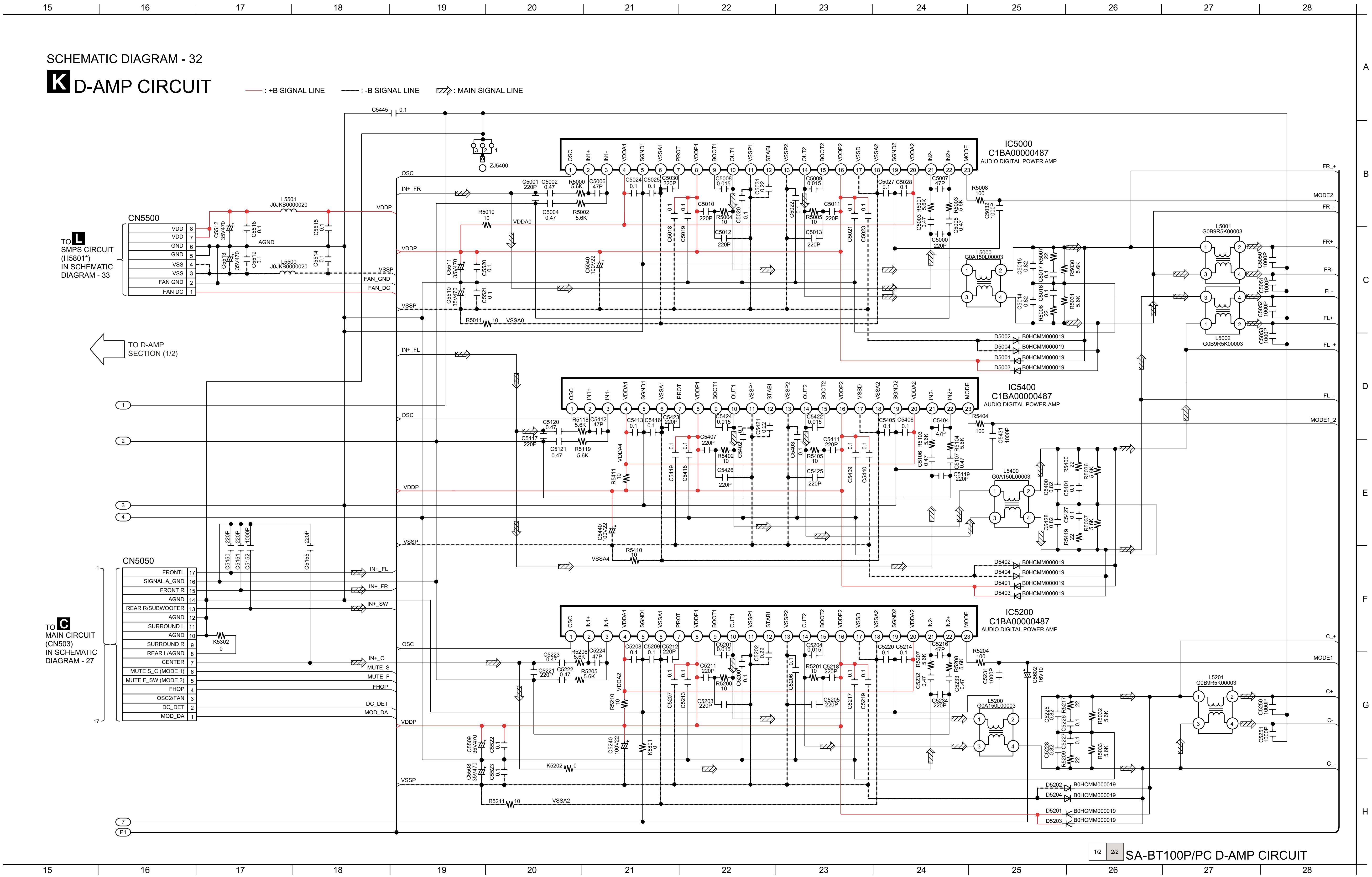


19.6. D-Amp Circuit

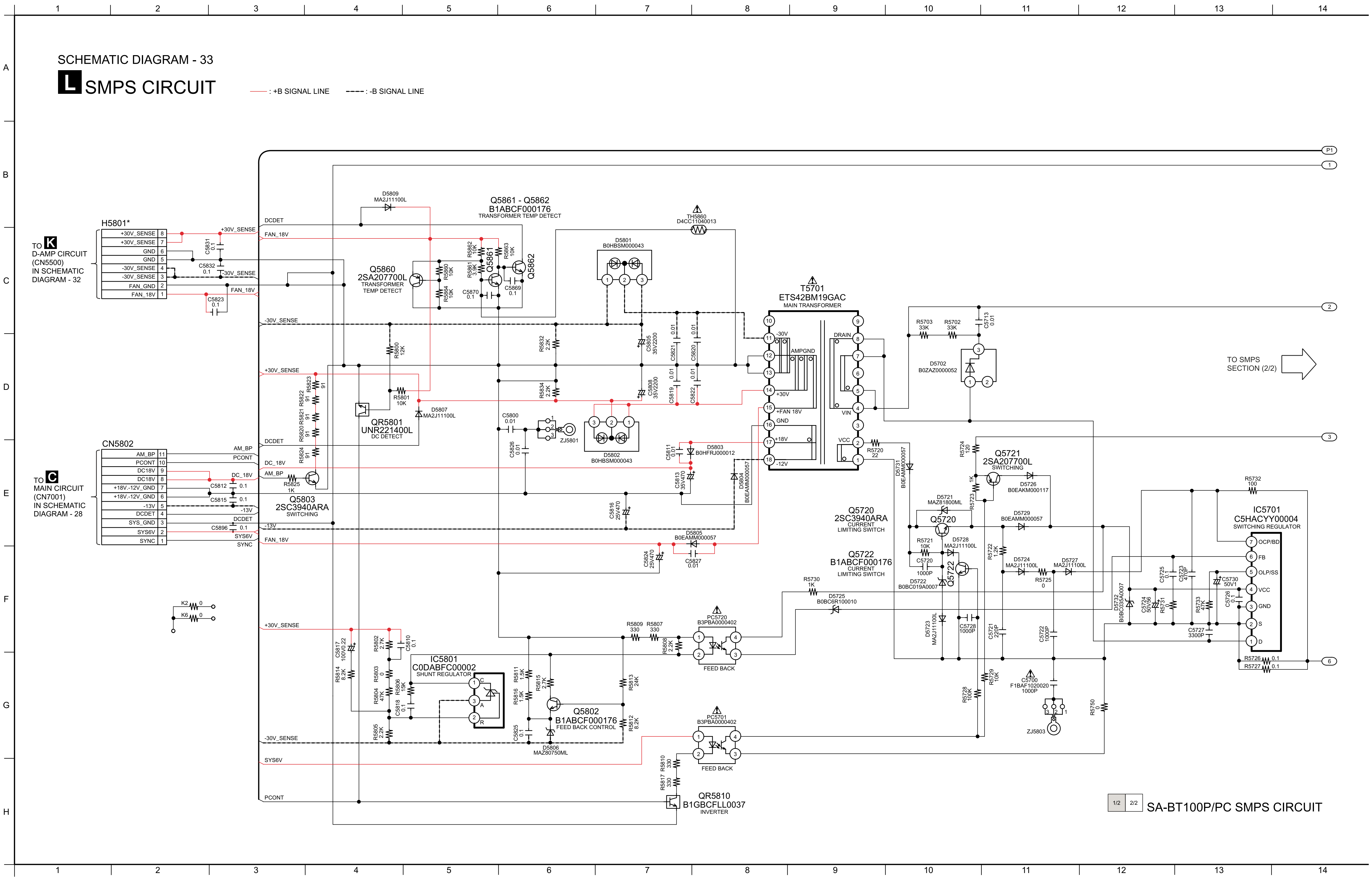


SCHEMATIC DIAGRAM - 32

K D-AMP CIRCUIT



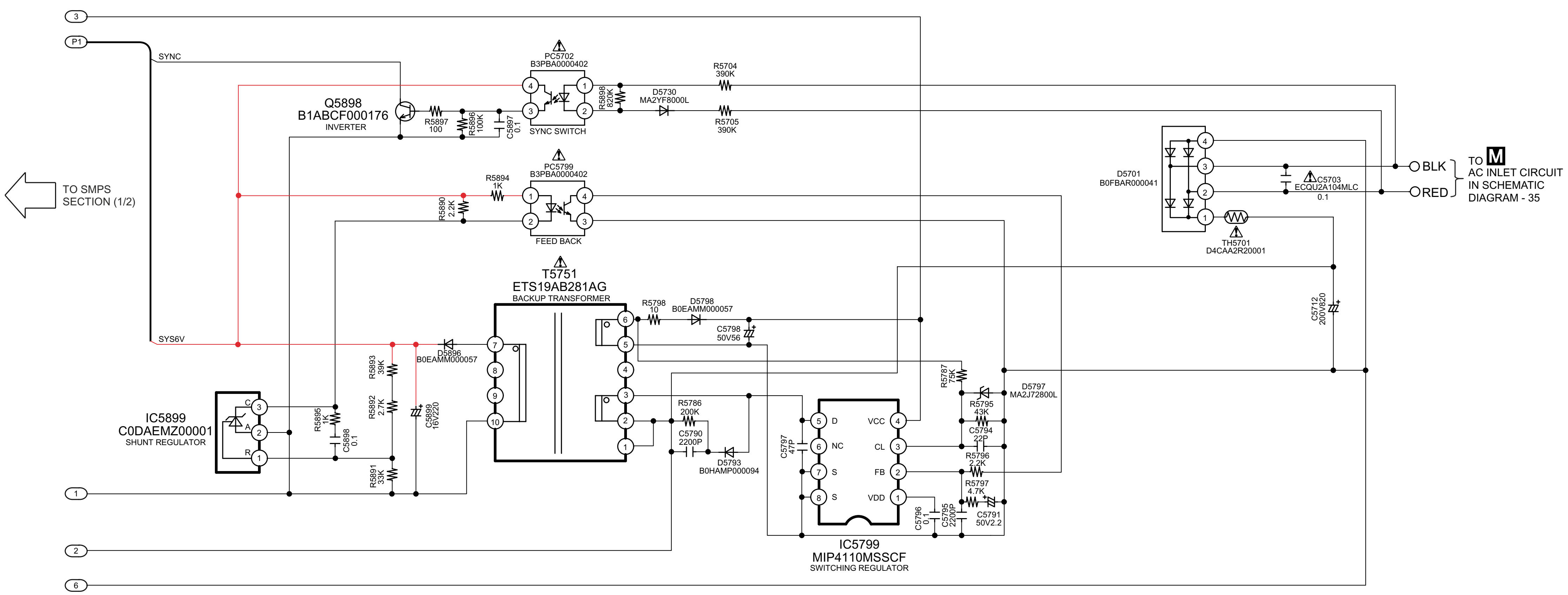
19.7. SMPS Circuit



SCHEMATIC DIAGRAM - 34

L SMPS CIRCUIT

: +B SIGNAL LINE   : -B SIGNAL LINE

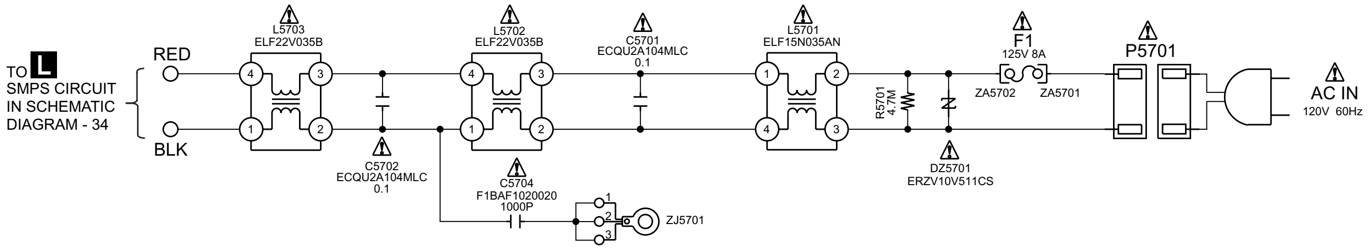


1/2 2/2 SA-BT100P/PC SMPS CIRCUIT

19.8. AC Inlet Circuit

SCHEMATIC DIAGRAM - 35

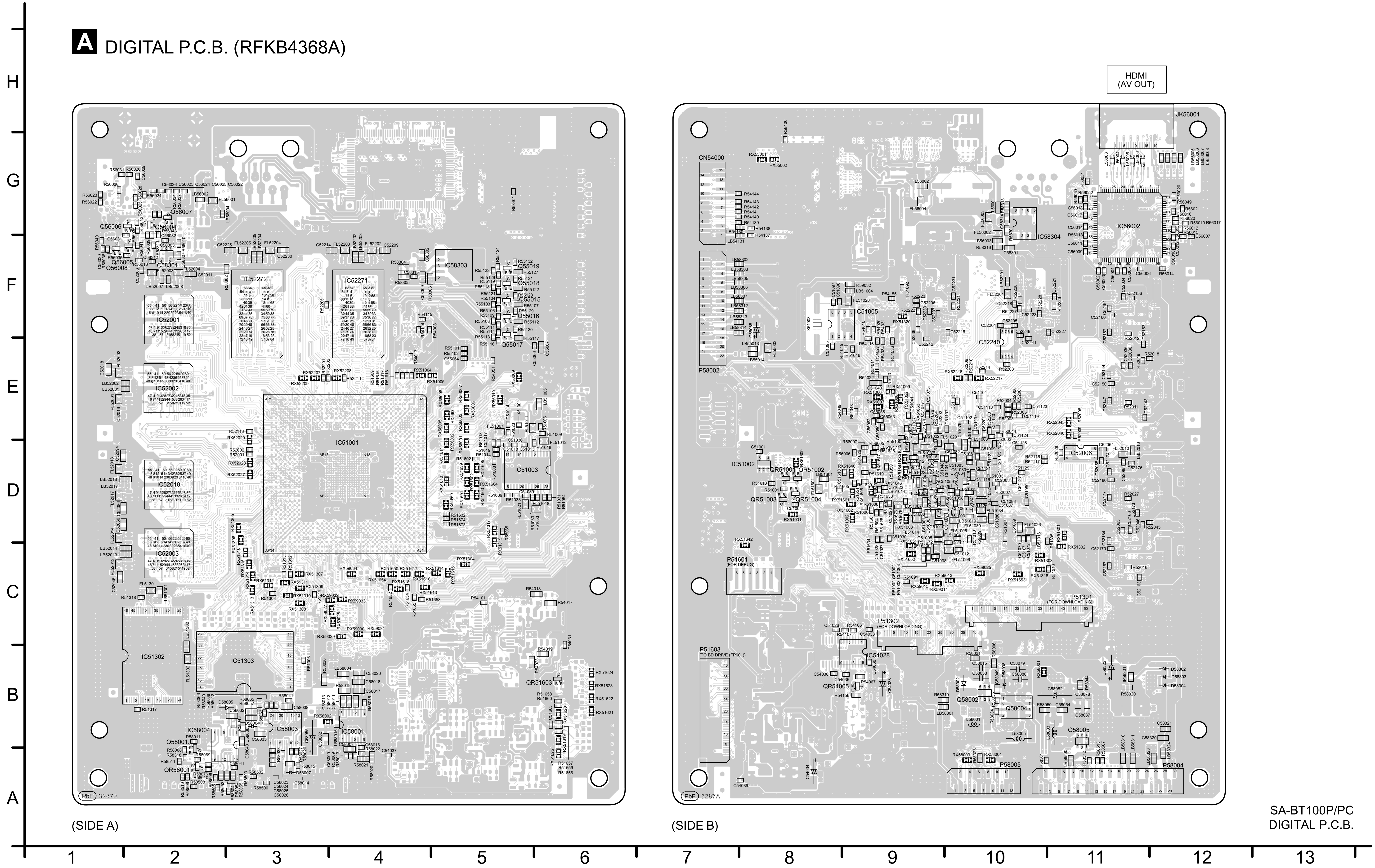
M AC INLET CIRCUIT



SA-BT100P/PC AC INLET CIRCUIT

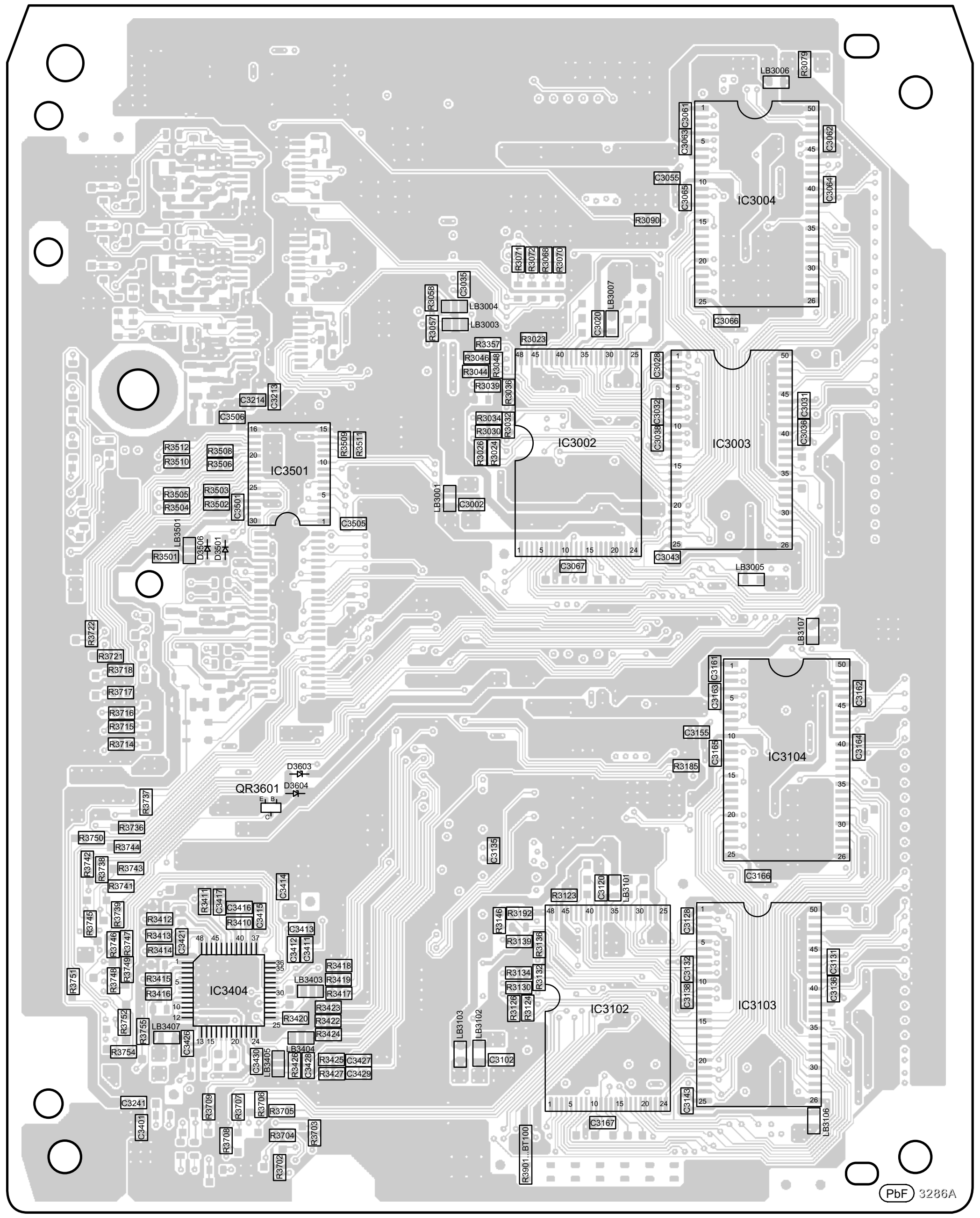
20 Printed Circuit Board

20.1. Digital P.C.B.

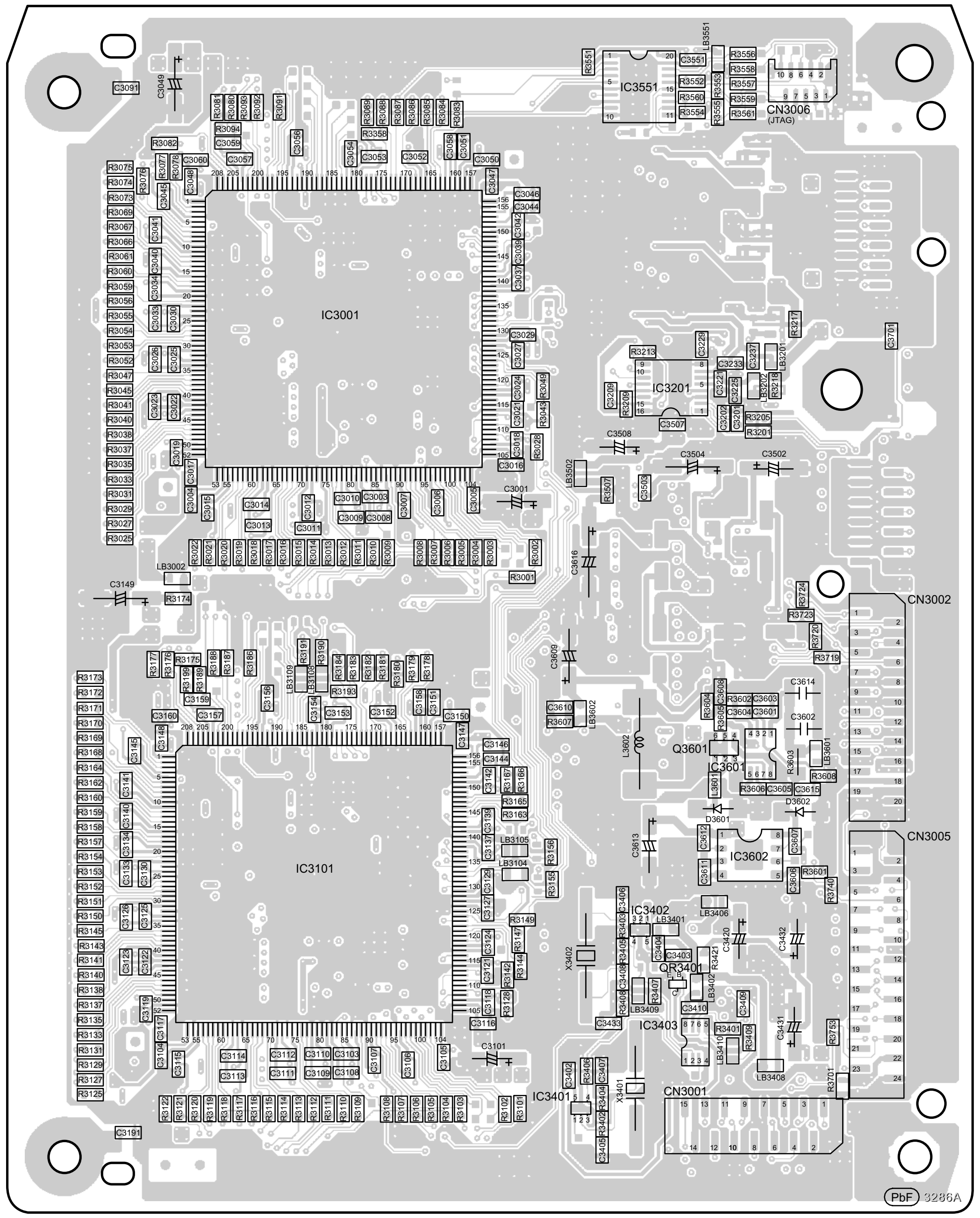


20.2. DSP P.C.B.

B DSP P.C.B. (REP4369A)



(SIDE A)

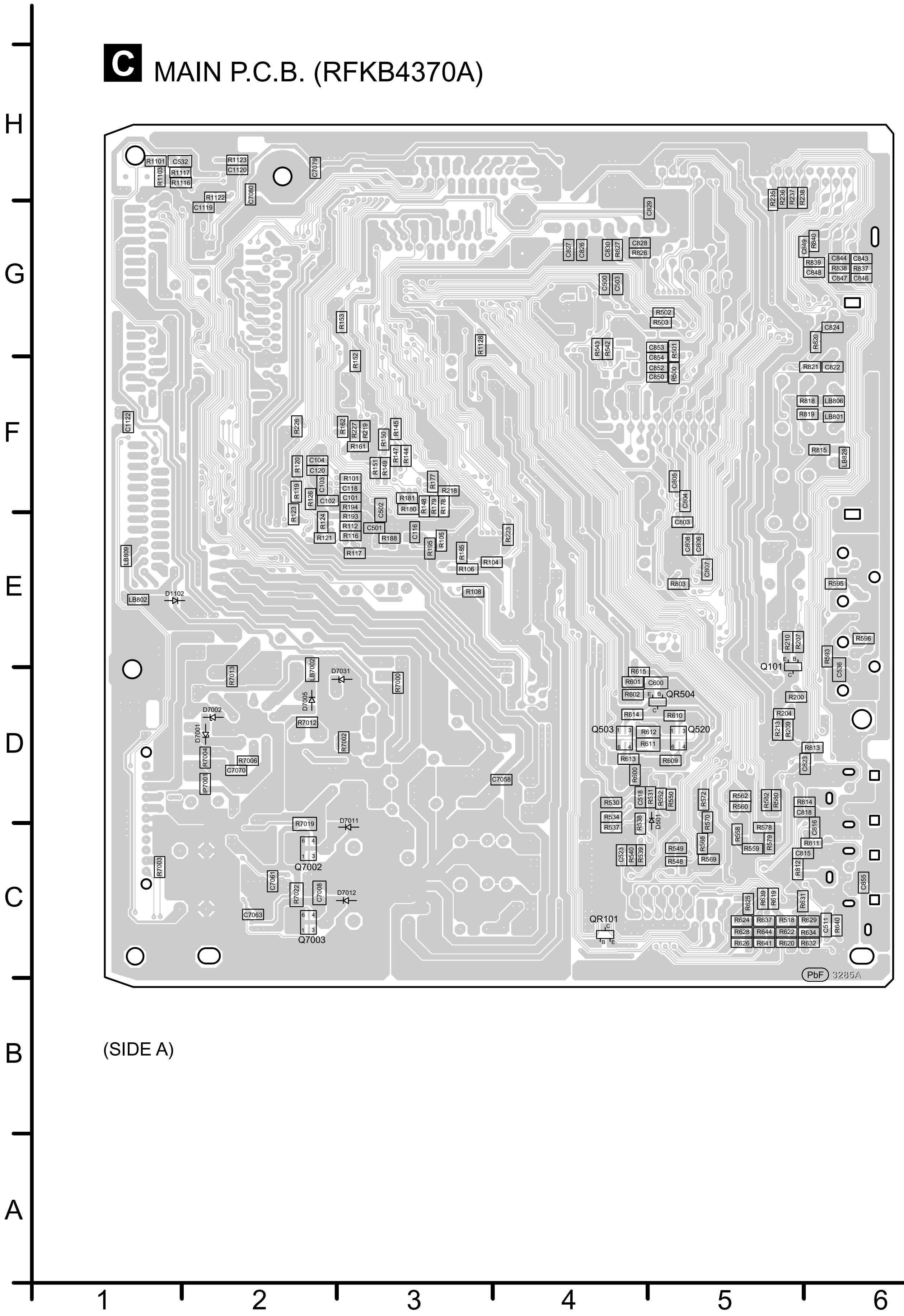


(SIDE B)

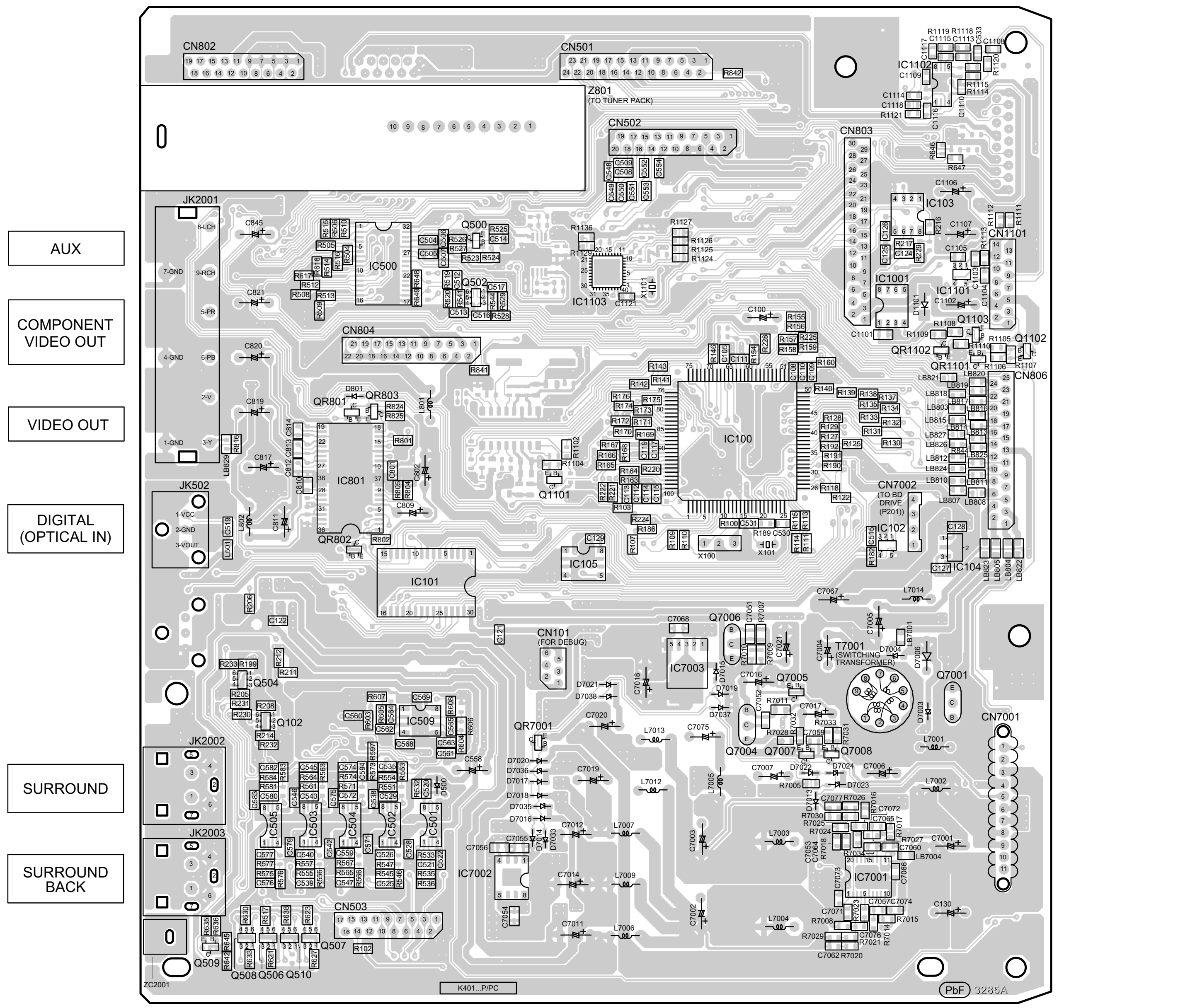
SA-BT100P/PC
DSP P.C.B.

20.3. Main P.C.B.

C MAIN P.C.B. (RFKB4370A)



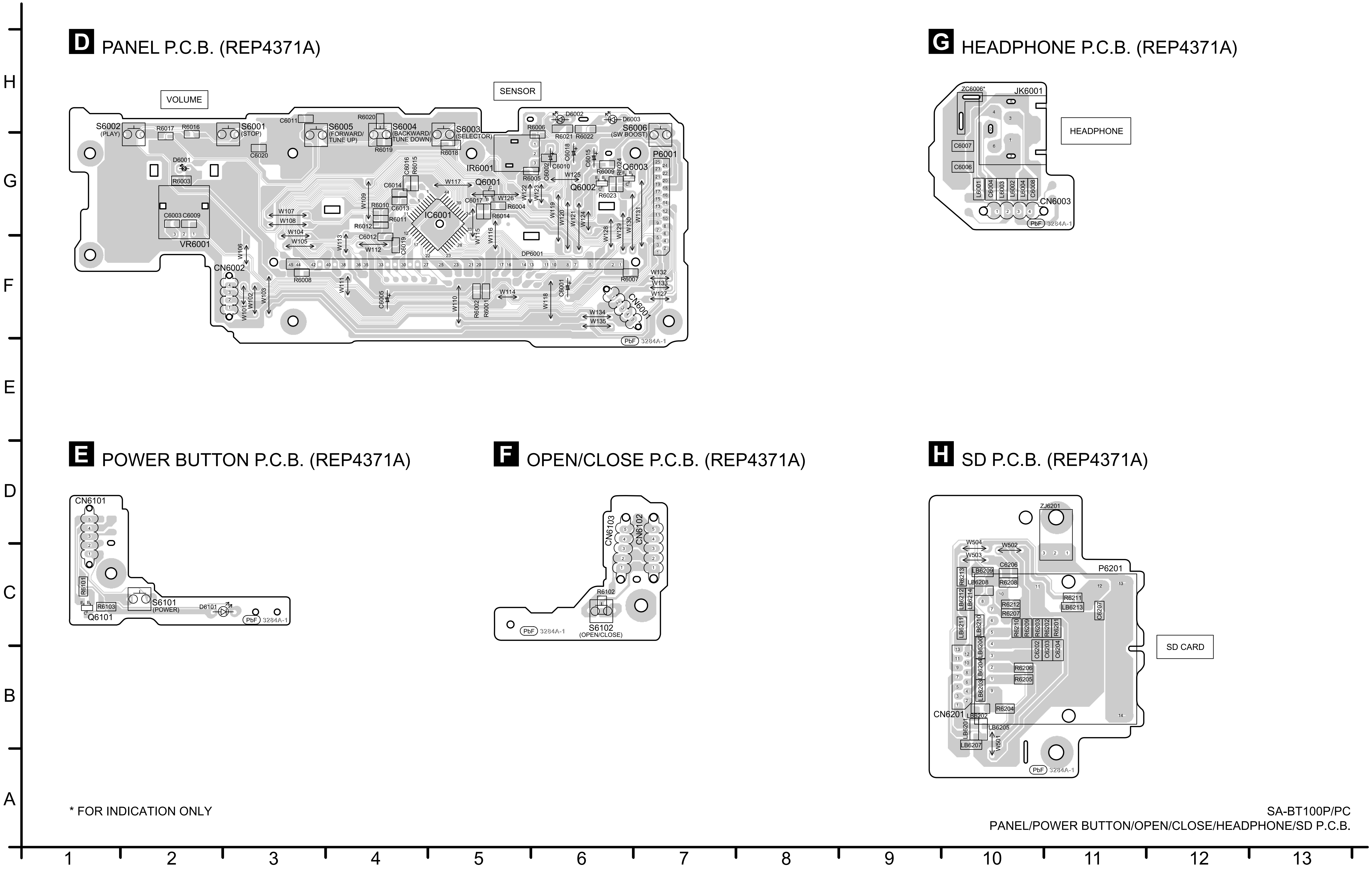
(SIDE A)



(SIDE B)

SA-BT100P/PC
MAIN P.C.B.

20.4. Panel, Power Button, Open/Close, Headphone, SD P.C.B.

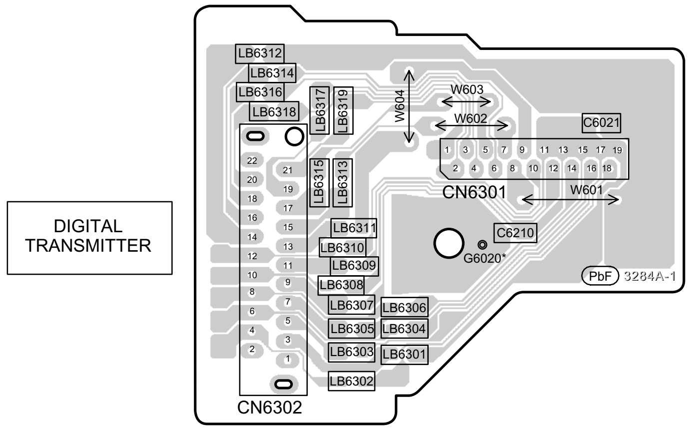


* FOR INDICATION ONLY

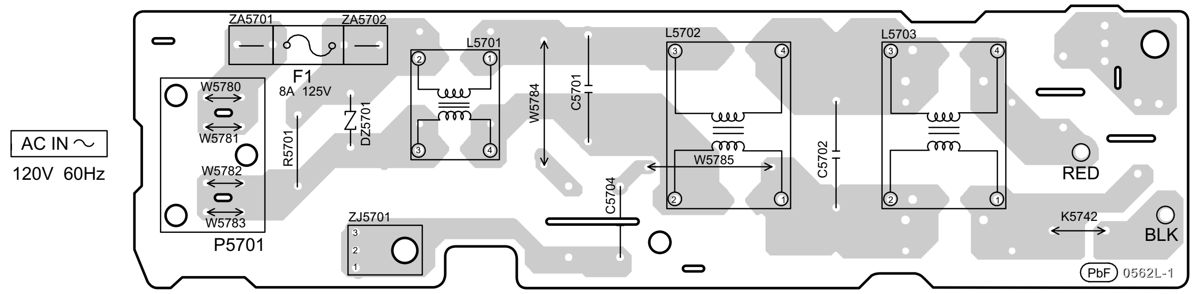
SA-BT100P/PC
PANEL/POWER BUTTON/OPEN/CLOSE/HEADPHONE/SD P.C.B.

20.5. Wireless Adapter, Ipod Cradle, AC Inlet P.C.B.

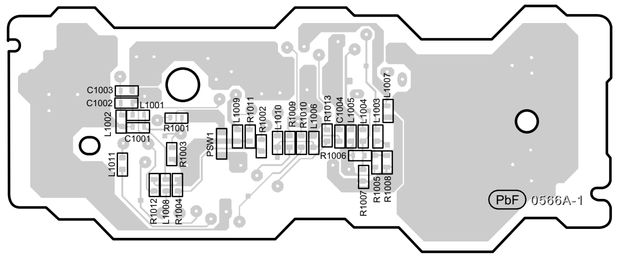
I WIRELESS ADAPTER P.C.B. (REP4371A)



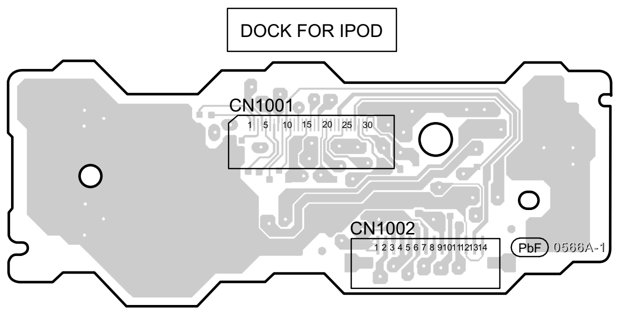
M AC INLET P.C.B. (REPX0622V)



J IPOD CRADLE P.C.B. (REPX0631A-C)



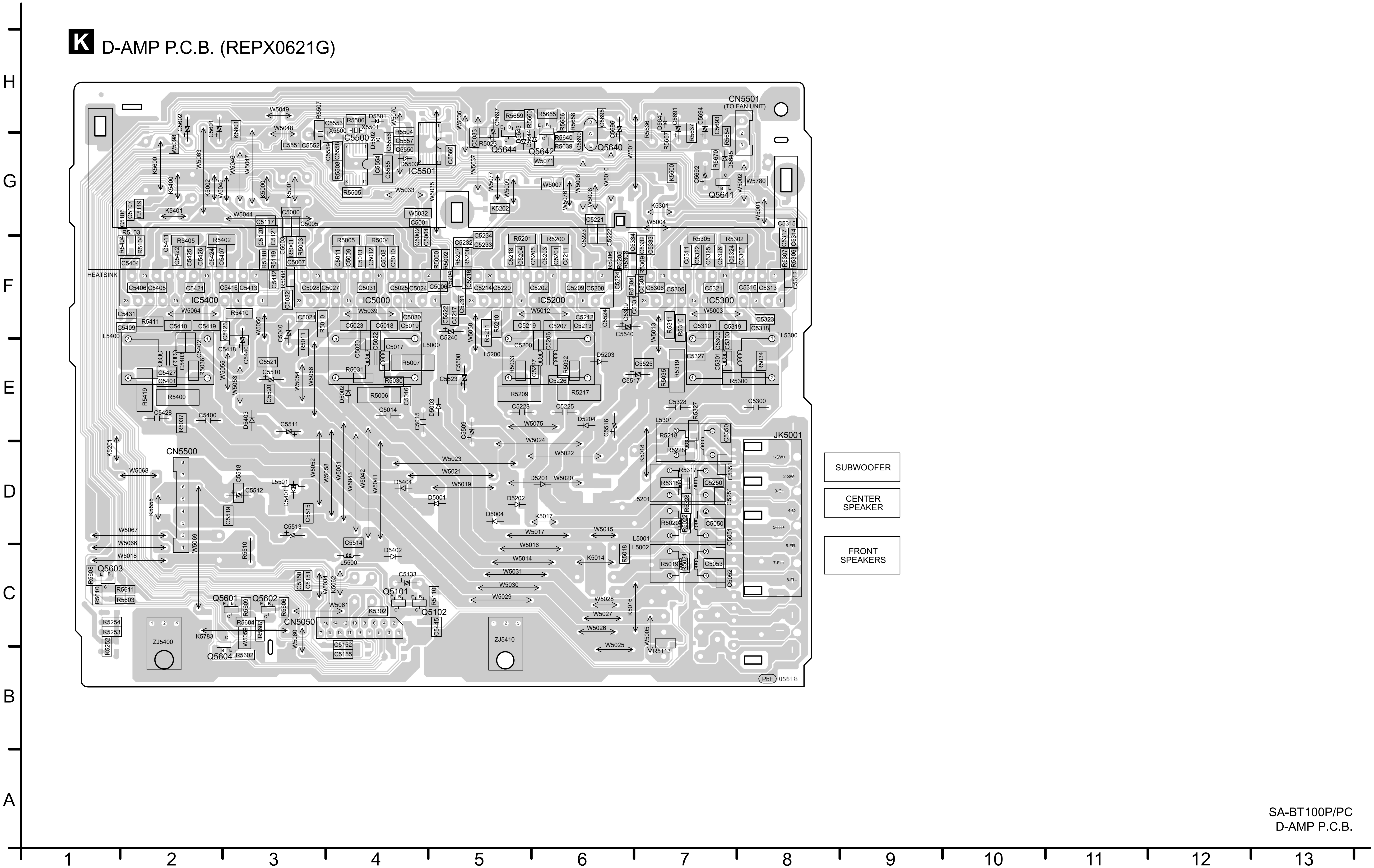
(SIDE A)



(SIDE B)

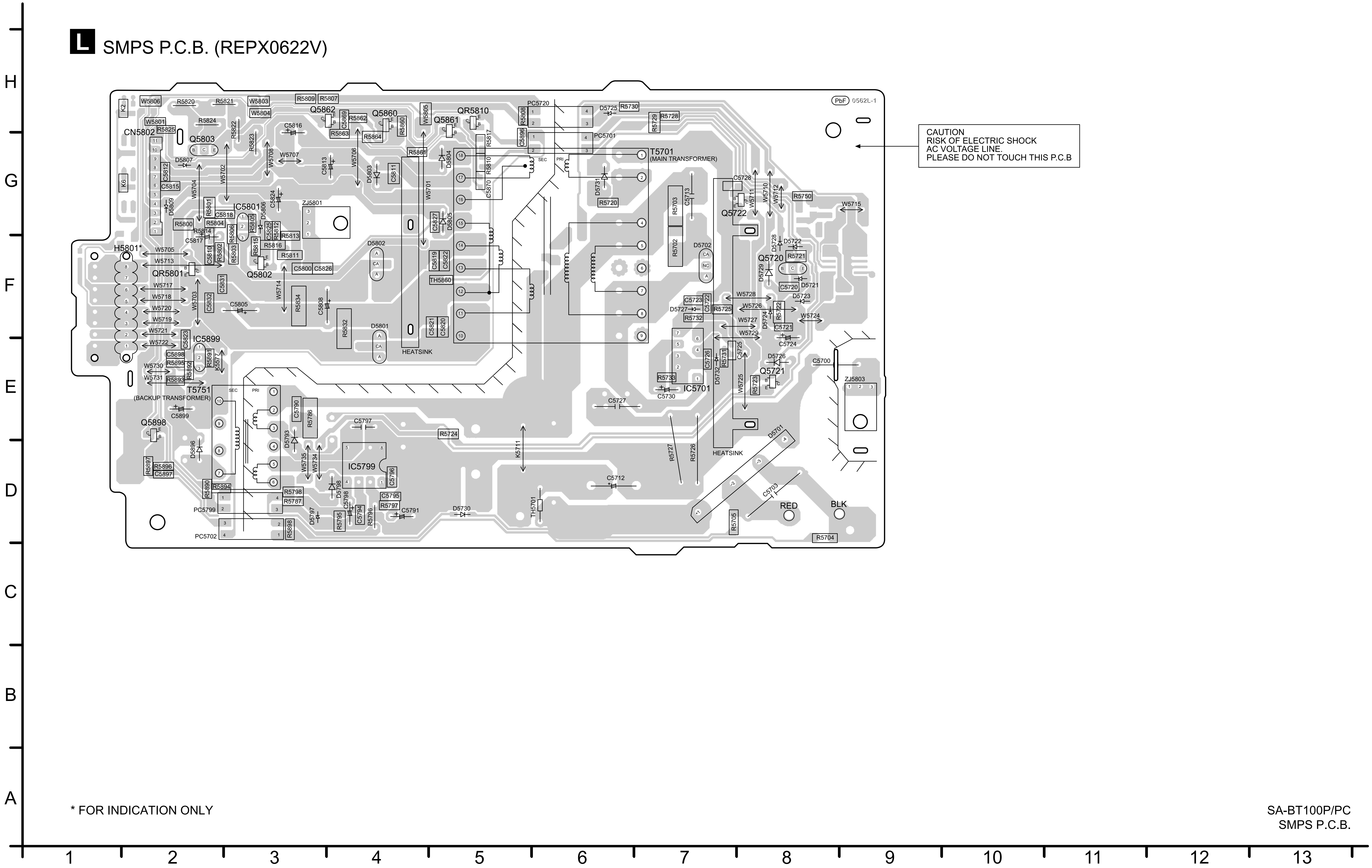
SA-BT100P/PC
WIRELESS ADAPTER/IPOD CRADLE/AC INLET P.C.B.

20.6. D-Amp P.C.B.



SA-BT100P/PC
D-AMP P.C.B.

20.7. SMPS P.C.B.

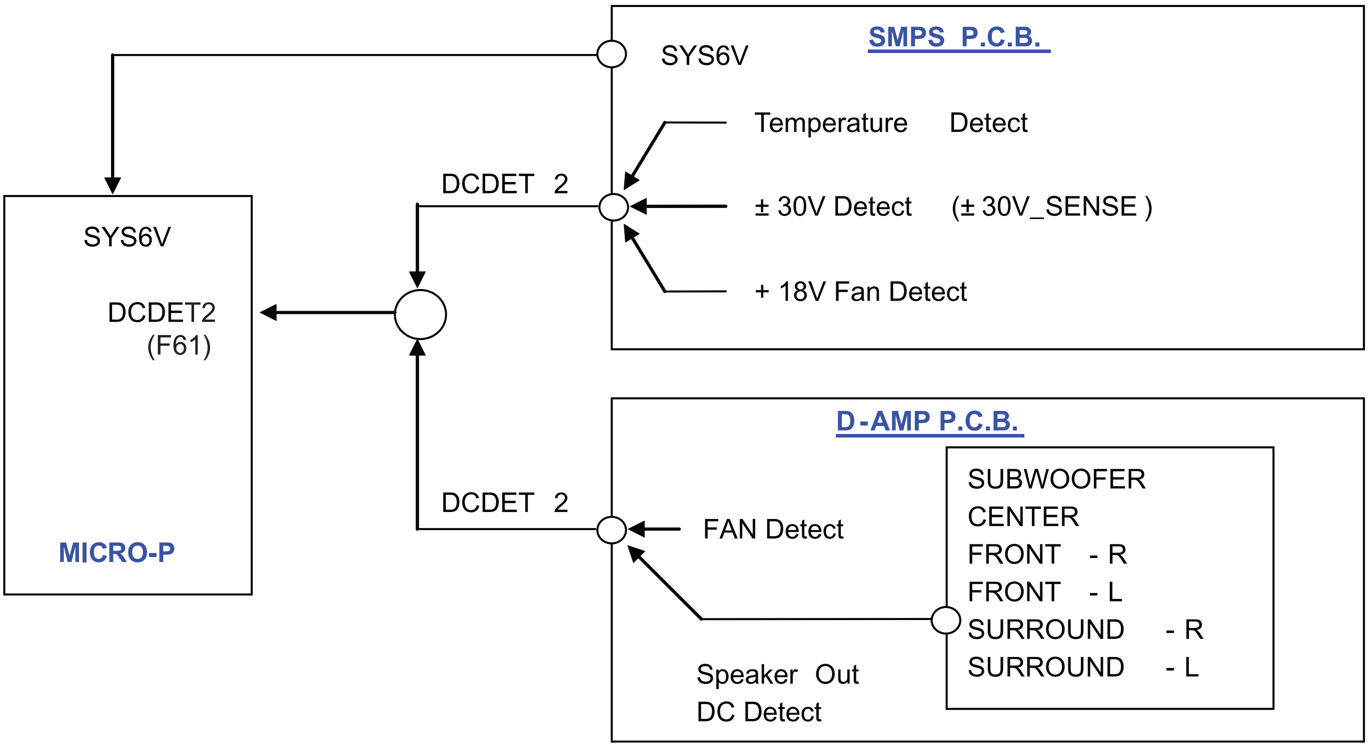

L SMPS P.C.B. (REPX0622V)
CAUTION
RISK OF ELECTRIC SHOCK
AC VOLTAGE LINE.
PLEASE DO NOT TOUCH THIS P.C.B
T5701 (MAIN TRANSFORMER)
T5751 (BACKUP TRANSFORMER)
HEATSINK
RED
BLK
* FOR INDICATION ONLY
SA-BT100P/PC
SMPS P.C.B.

21 Basic Troubleshooting Guide

21.1. Troubleshooting Guide for F61 and/or F76

This section illustrates the checking procedures when upon detecting the error of “F61” and/or “F76” after power up of the unit. It is for purpose of troubleshooting and checking in SMPS, D-Amp & Power Supply P.C.B.

21.1.1. Block Diagram



21.1.2. Troubleshooting Guide

Symptom	Checking Items	Repair Items	Remarks
FL display blinking with abnormal segment when power ON the set or "F61"	Check the soldering of the SMPS P.C.B. • Is there any solder crack at area (Q5860,Q5861, Q5862,TH5860, QR5801) • Check all the supply line ± 30V • Is there any solderability at area of feedback circuit • Check feedback circuit (IC5801, Q5802, D5806, PC5720, D5725)	Touch-up the solder crack area/ Change the defective parts. • Q5860,Q5861,Q5862,TH5860 (Temperature Detect) • QR5801 & QR5802 (± 30V Detect) • Touch-up the necessary areas • IC5801, D5806, PC5720, D5725	SMPS P.C.B. Refer to Fig. 1
First Power ON Display immediate show "F61".	Check Speaker output by using multi-meter, • If there is a DC Voltage around ± 30V • Check Output IC (Pin 10 & 14) which have DC Voltage at Speaker output short to ± Vdd/Vss • If shorted that means D-Amp damage already.	Change the defective parts. D-AMP IC: IC5000/IC5200/IC5300/IC5400 P/N = C1BA00000487 For Configuration Refer to Table 1	D-AMP P.C.B. Refer to Fig. 2
Power ON for a while then only trigger "F61". (Symptom always happen)	Check the fan connection & feedback loop: • If the fan not proper connected, "F61" will trigger when the volume increase. • If the fan is not working, check for fan circuit. Check the soldering of the SMPS P.C.B. • Is there any solder crack at area (Q5860,Q5861, Q5862,TH5860, QR5801) • Check all the supply line ± 30V	Re-connect the Fan to CN5501 Fan circuit: Q5640, Q5641, Q5642, Q5644 Touch-up the solder crack area/ Change the defective parts. • Q5860,Q5861,Q5862,TH5860 (Temperature Detect) • QR5801 & QR5802 (± 30V Detect) Feedback Circuit: IC5801, PC5720, D5725	D-AMP P.C.B. Refer to Fig. 3
Power ON for a while and then trigger "F76"	Check all supply voltages as follows: Step 1: Check for supply voltages from SMPS P.C.B to Power Supply P.C.B at pin 8 & 9 of CN2004. If there are supply voltages, proceed to Step 2. If no voltages detected, check wire connection and circuitry connection from SMPS P.C.B. Step 2: Check if there is supply voltages for –Vp, F+ & F- at CN2016 • If there is supply voltages of +5.3V, +2.5V (For DVD), +6V (SYS6V), +9V & +18V at CN2016 • If there is supply voltages of ±7V at CN6001	Check and change the possible defective parts. • FP2901 (Fuse Protector), T2900, D2901, D2906, D2908, D2909 • IC2903 (DC-DC Converter IC) & related regulator circuit components • IC2900 (DC-DC Converter IC) & related regulator circuit components	Power Supply P.C.B Refer to Fig. 4

21.1.3. Part Location

21.1.3.1. SMPS P.C.B.

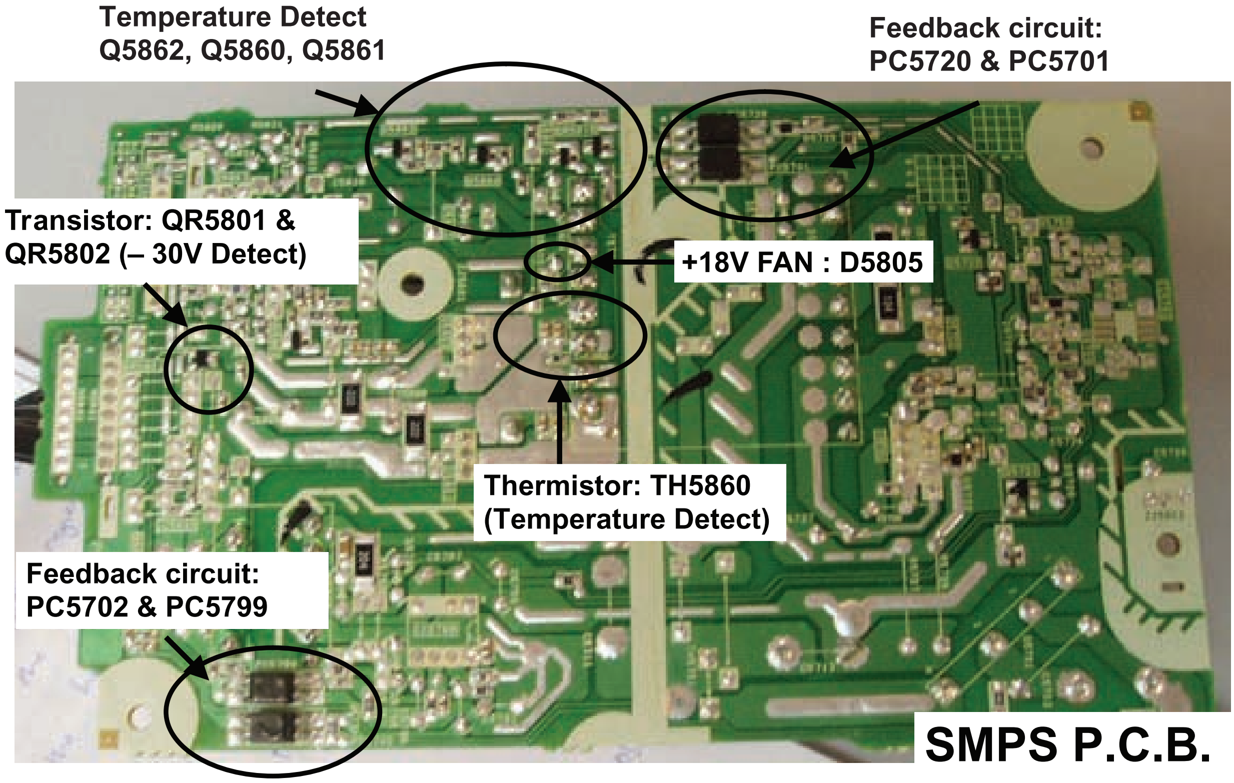


Fig. 1 SMPS P.C.B.

21.1.3.2. D-Amp P.C.B.

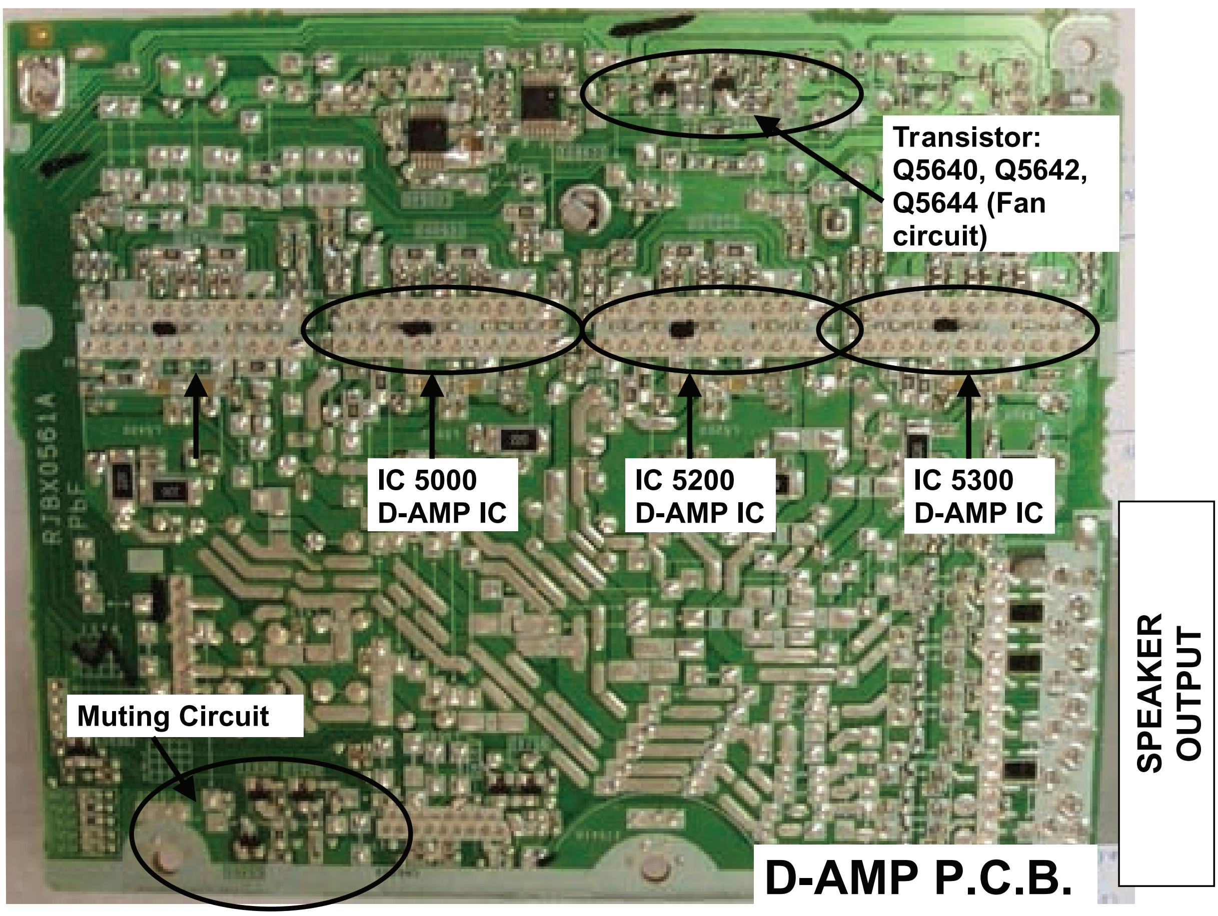


Fig. 2 D-AMP P.C.B.

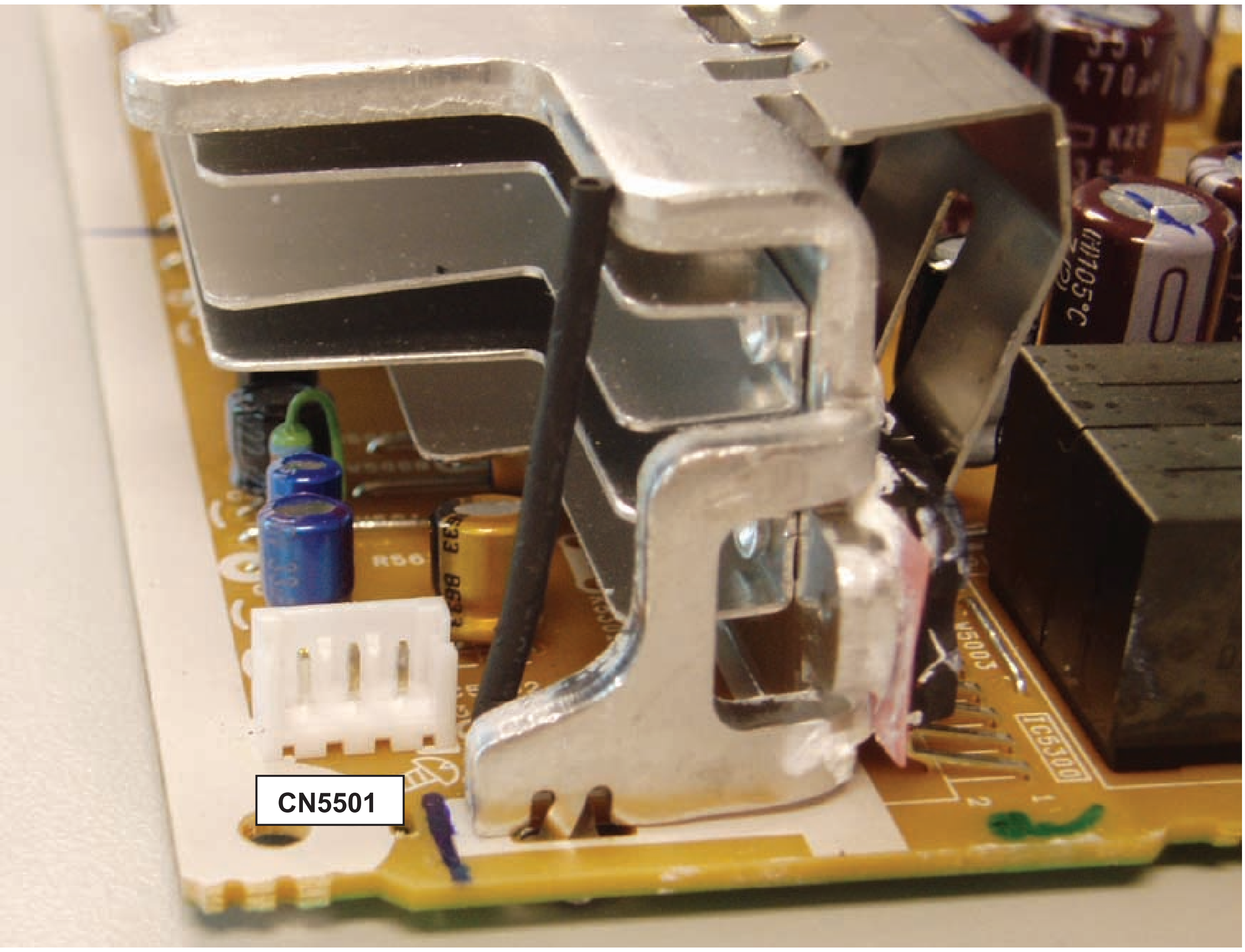


Fig. 3 Fan Connector

21.1.3.3. Power Supply P.C.B.

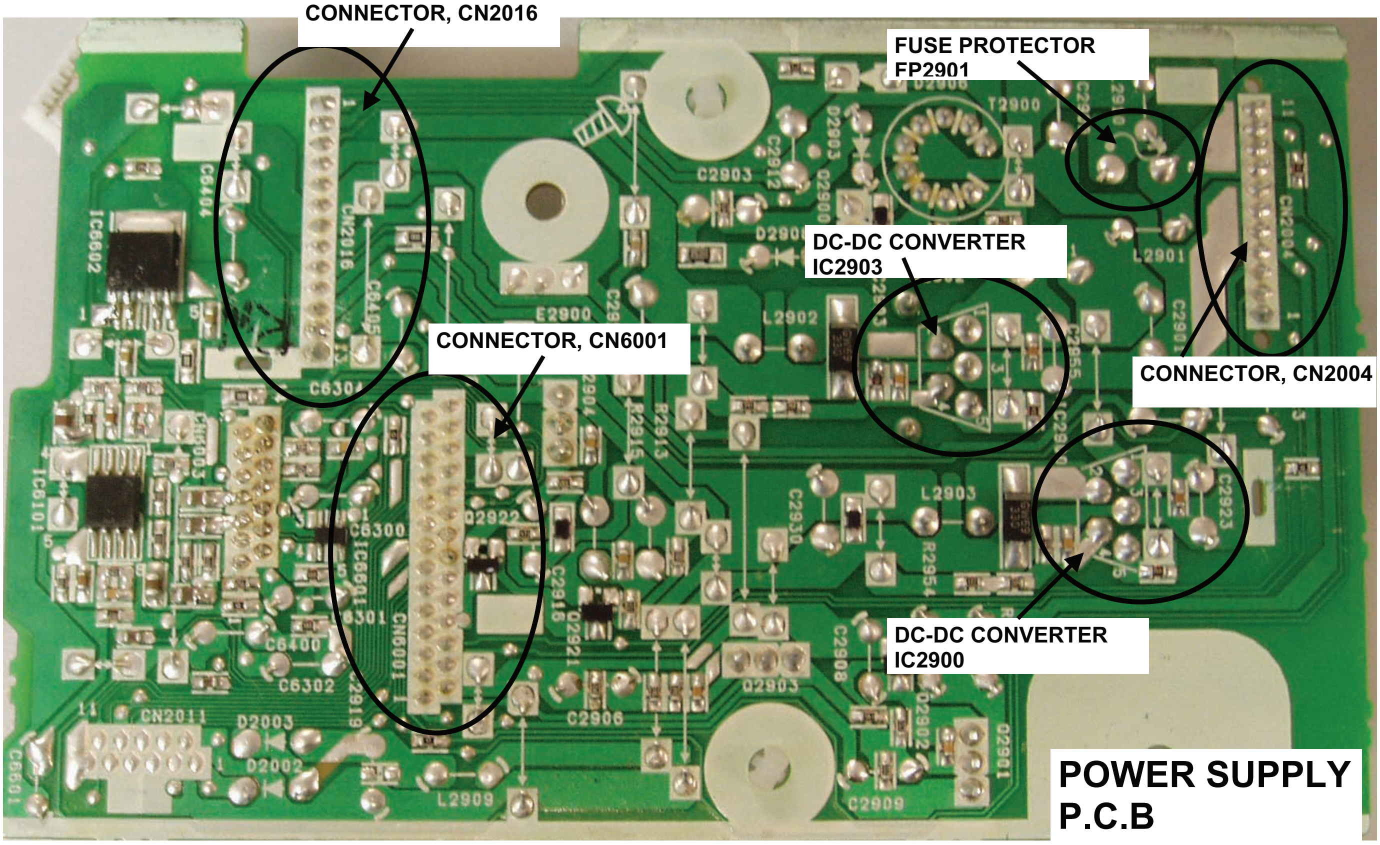


Fig. 4 Power Supply P.C.B.

21.1.3.4. D-Amp IC Configuration

		BT100P/PC
IC5300	Pin (10)	Sub-Woofer +
	Pin (14)	Sub-Woofer -
IC5200	Pin (10)	Center +
	Pin (14)	Center -
IC5000	Pin (10)	Front Right
	Pin (14)	Front Left
IC5400	Pin (10)	Surround Right
	Pin (14)	Surround Left

22 Terminal Function of ICs

22.1. IC1103 (MFI341S2095): IC COPROCESSOR

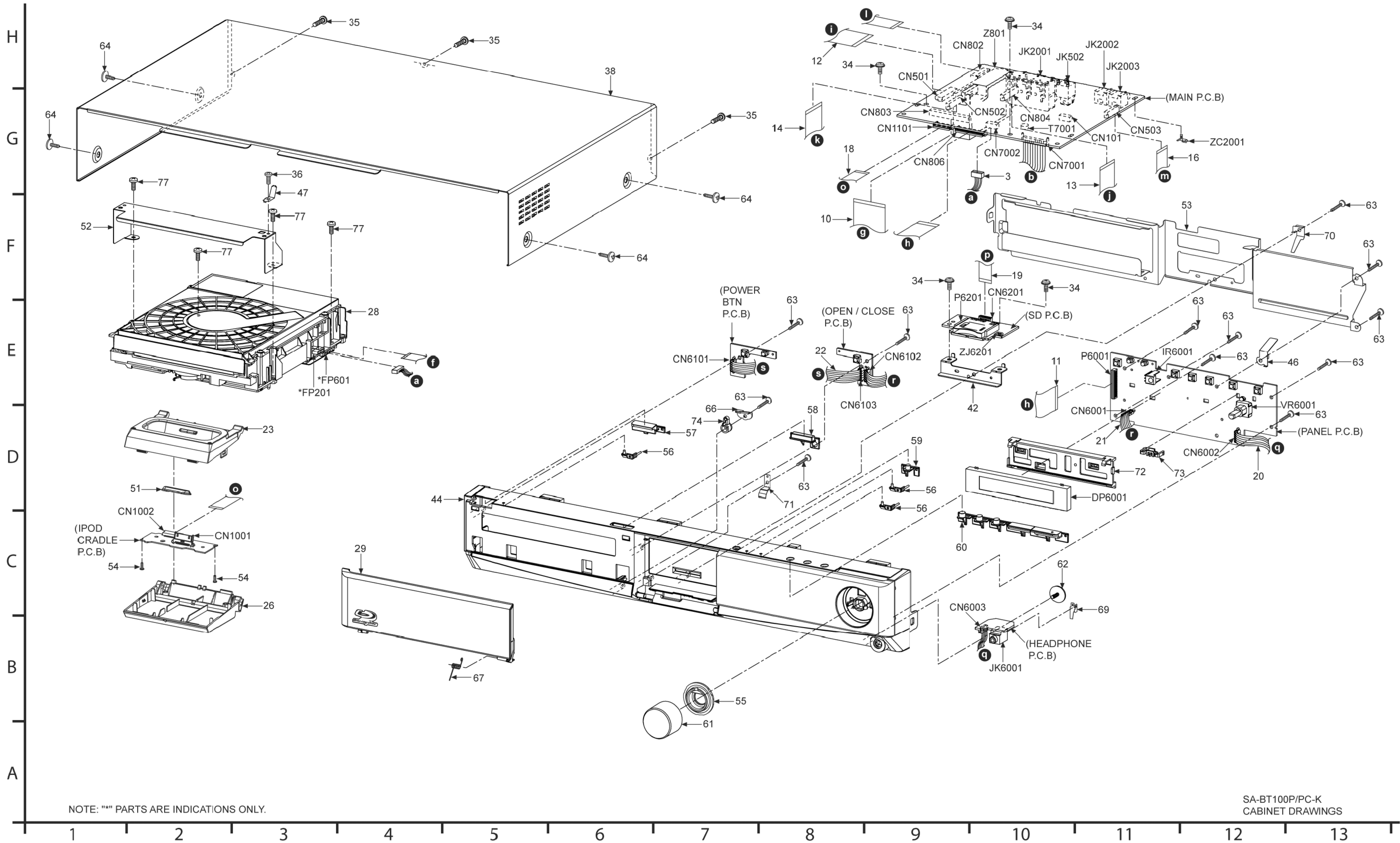
Pin No.	Terminal Name	I/O	Function
1	VCC	-	Supply Voltage, Positive Terminal
2	XIN	I	32.768 kHz Crystal Oscillator
3	XOUT	O	32.768 kHz External Clock Source
4	CLK_EN	I	CLOCK_OUT Enable (Active High)
5	NC	-	No Connection
6	NC	-	No Connection
7	I2C_SCL	I/O	I2C Clock
8	I2C_ADDR_0	I	I2C Clock Slave Address Selection
9	I2C_ADDR_1	I	I2C Clock Slave Address Selection
10	I2C_ADDR_2	I	I2C Clock Slave Address Selection
11	CP_RDY	O	CP Ready to Receive Next Instruction (Active High)
12	MODE0	I	Operating Voltage Selection
13	MODE1	I	Communication Mode Selection
14	NC	-	No Connection
15	12C_SDA	I/O	I2C Data
16	MODE2	I	Communication Mode Selection
17	ROSC	I	Connect via 100 kΩ 1% resistor to VCC
18	NC	-	No Connection
19	NC	-	No Connection
20	NC	-	No Connection
21	NC	-	No Connection
22	NC	-	No Connection
23	NC	-	No Connection
24	NC	-	No Connection
25	NC	-	No Connection
26	NC	-	No Connection
27	NC	-	No Connection
28	NC	-	No Connection
29	NC	-	No Connection
30	NC	-	No Connection
31	NC	-	No Connection
32	NC	-	No Connection
33	NC	-	No Connection
34	NC	-	No Connection
35	NC	-	No Connection
36	NC	-	No Connection
37	NC	-	No Connection
38	NRST	I	CP Reset (Active Low)
39	VSS	-	Supply Voltage, Negative Terminal
40	VCC	-	Supply Voltage, Positive Terminal

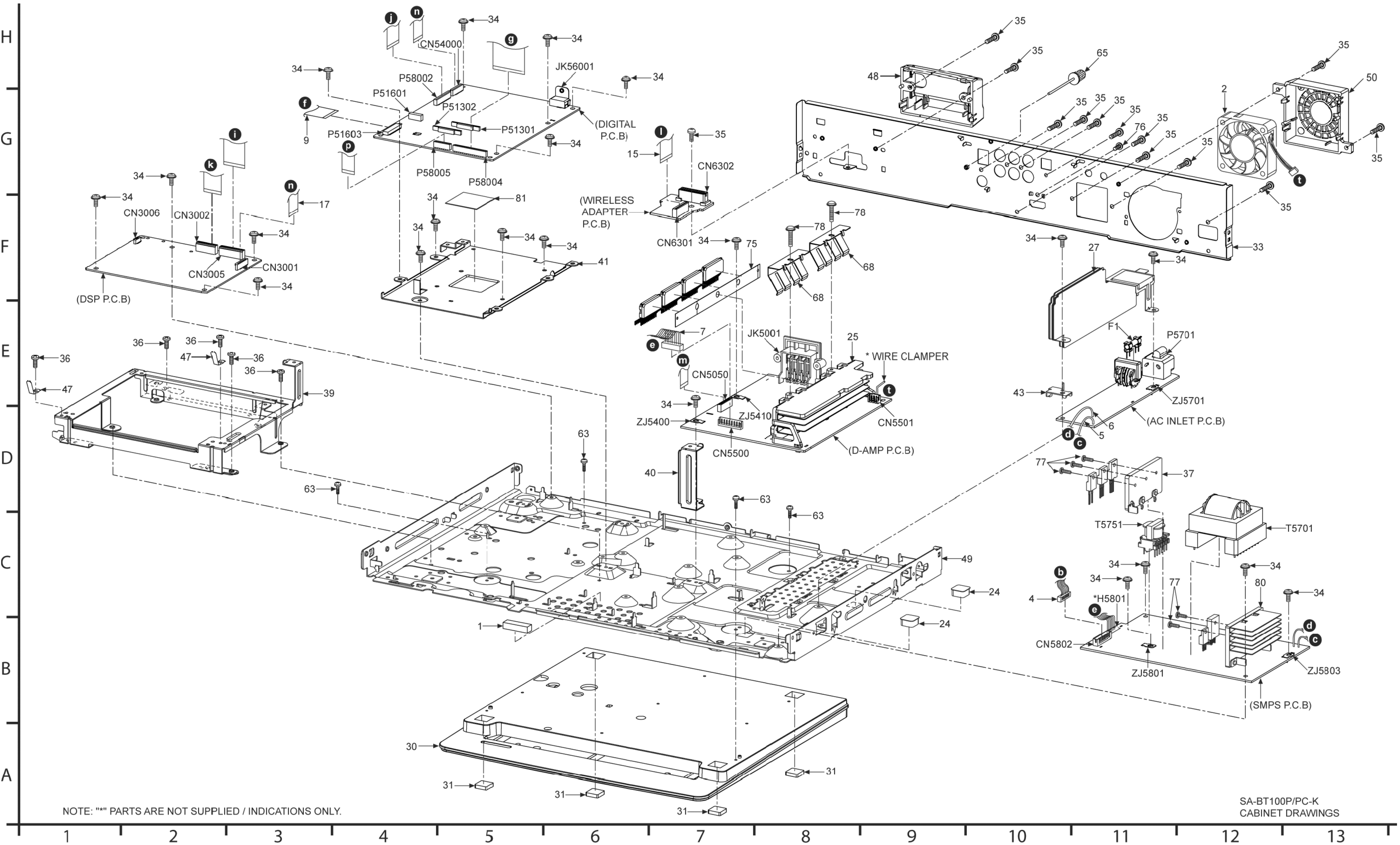
22.2. IC6001(C0HBB0000057): IC FL Driver

Pin No.	Terminal Name	I/O	Function
1	LED2	O	Led Drive Output
2	LED3	-	Led Drive Output
3	LED4	-	Led Drive Output
4	LED5	-	Led Drive Output
5	OSC	I	Oscillator Input
6	DOUT	-	Data Output
7	DIN	I	Data Input
8	CLK	I	Clock Input
9	STB	I	Serial Interface Strobe
10	K1	-	Key Data Input 1 (No Connection)
11	K2	-	Key Data Input 2 (No Connection)
12	GND	-	GND
13	VCC	-	Power Supply (+5V)
14	P18	O	Segment Output 18
15	P17	O	Segment Output 17
16	P16	O	Segment Output 16
17	P15	O	Segment Output 15
18	P14	O	Segment Output 14
19	P13	O	Segment Output 13
20	P12	O	Segment Output 12
21	P11	O	Segment Output 11
22	P10	O	Segment Output 10
23	P9	O	Segment Output 9
24	P8	O	Segment Output 8
25	P7	O	Segment Output 7
26	P6	O	Segment Output 6
27	P5	O	Segment Output 5
28	P4	O	Segment Output 4
29	P3	O	Segment Output 3
30	-VP	-	Voltage Supply
31	P2	O	Segment Output 2
32	P1	O	Segment Output 1
33	G1	O	Grid Segment Output 1
34	G2	O	Grid Segment Output 2
35	G3	O	Grid Segment Output 3
36	G4	O	Grid Segment Output 4
37	G5	O	Grid Segment Output5
38	G6	O	Grid Segment Output 6
39	G7	O	Grid Segment Output7
40	G8	O	Grid Segment Output 8
41	G9	O	Grid Segment Output 9
42	G10	O	Grid Segment Output 10
43	VCC	-	Voltage Supply (+5V)
44	GND	-	GND

23 Exploded Views

23.1. Cabinet Parts Location

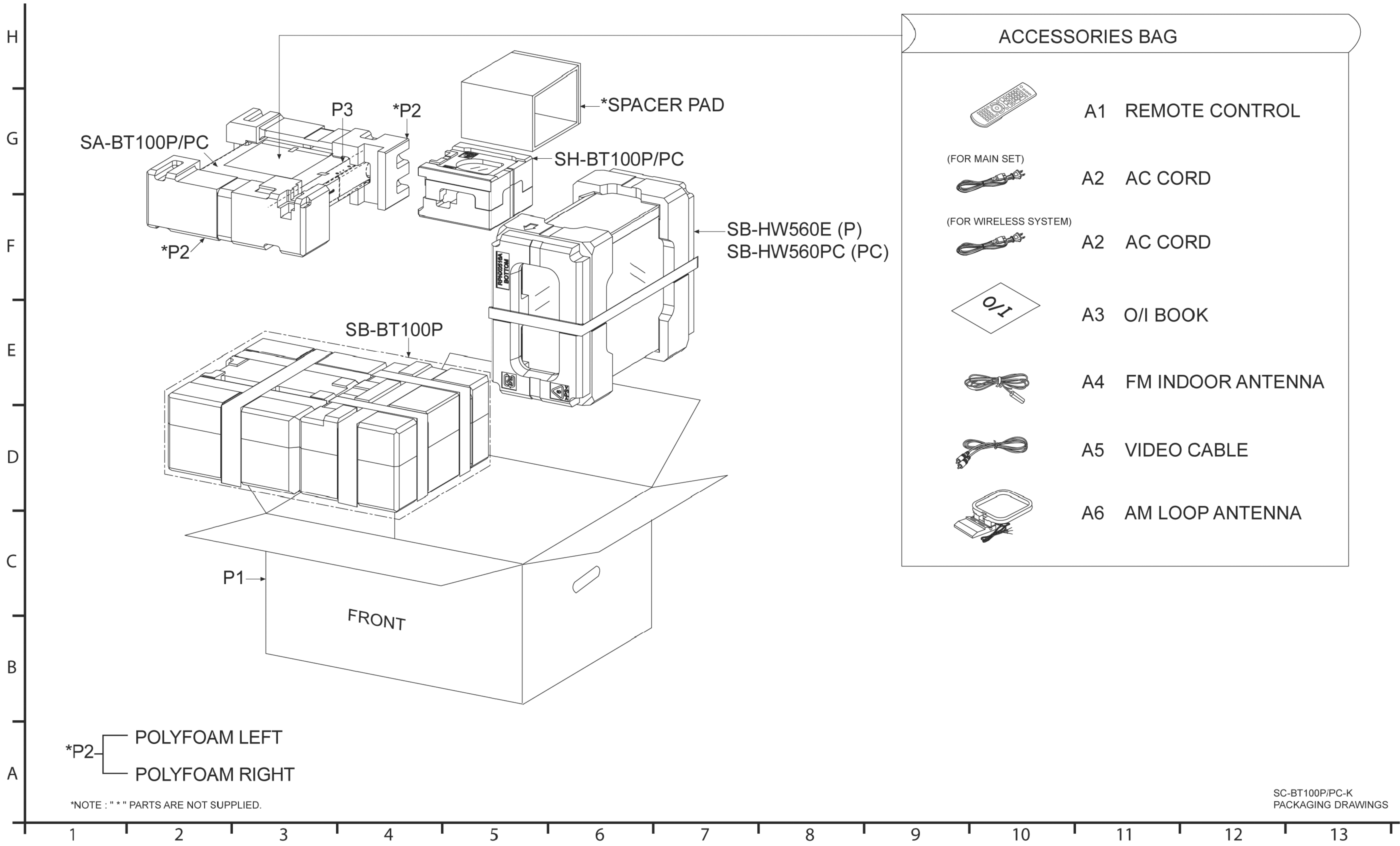




NOTE: "*" PARTS ARE NOT SUPPLIED / INDICATIONS ONLY.

SA-BT100P/PC-K
CABINET DRAWINGS

23.2. Packaging



24 Replacement Parts List

Notes:

- Important safety notice:

  Components identified by ⚠ mark have special characteristics important for safety purpose.

  Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

  When replacing any of components, be sure to use only manufacturer’s specified parts shown in the parts list.
- Warning: This product uses a laser diode. Refer to caution statements.
- Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM), 1M=1,000K (OHM).
- The parenthesized indications in the Remarks columns specify the model names and areas. (Refer to the cover page)
- The marking (RTL) indicates the retention time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.
- Parts mentioned [M] are supplied from PAVCSG.
- Parts mentioned [SPG] are supplied from PAVC.
- Reference for O/I book languages are as follows:

Ar:	Arablic	Du:	Dutch	It:	Italian	Sp:	Spanish
Cf:	Canadian French	En:	English	Ko:	Korean	Sw:	Swedish
Cz:	Czech	Fr:	French	Po:	Polish	Co:	Traditional Chinese
Da:	Danish	Ge:	German	Ru:	Russian	Cn	Simplified Chinese
Pe:	Persian	Ur:	Ukrainian	Pr:	Portuguese		

24.1. Component Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	J0KD00000126	FERRITE CORE	[M] ⚠
2	L6FAJCCH0007	FAN MOTOR	[M]
3	REX1286	4P FFC CABLE (BD DRIVE-MAIN)	[M]
4	REX1287	11P WIRE (MAIN-SMPS)	[M]
5	REXX0640-J	BLACK WIRE (AC-SMPS)	[M] ⚠
6	REXX0641-J	RED WIRE (AC-SMPS)	[M] ⚠
7	REXX0651	8P WIRE (SMPS-DAMP)	[M]
9	REZ1863	40P FFC CABLE (DIGITAL-BD DRIVE)	[M]
10	REZ1864	30P FFC CABLE (DIGITAL-MAIN)	[M]
11	REZ1865	30P FFC CABLE (PAN-MAIN)	[M]
12	REZ1866	24P FFC CABLE (DSP-MAIN)	[M]
13	REZ1867	22P FFC CABLE (DIGITAL-MAIN)	[M]
14	REZ1868-1	20P FFC CABLE (DSP-MAIN)	[M]
15	REZ1869	19P FFC CABLE (WIRELESS-MAIN)	[M]
16	REZ1871-1	17P FFC CABLE (D-AMP-MAIN)	[M]
17	REZ1872-1	15P FFC CABLE (DSP-DIGITAL)	[M]
18	REZ1873	14P FFC CABLE (POD-MAIN)	[M]
19	REZ1874	13P FFC CABLE (SD-DIGITAL)	[M]
20	REZ1877	4P WIRE (PAN-HP)	[M]
21	REZ1878	5P WIRE (PAN-OPN)	[M]
22	REZ1883	5P WIRE (OPN-PWRBTN)	[M]
23	RYF0841-K	CRADLE BASE UNIT	[M]
24	RXQX0041	CUSHION ASSY	[M]
25	RXXX0085-1J	HEAT SINK UNIT	[M]
26	RYP0840-K2	CRADLE PANEL UNIT	[M]
27	RXQX0076	AC-IN SHIELD PLATE UNIT	[M]
28	VXY2001-SER	BD DRIVE UNIT	[M] ⚠
29	RYF0839-K	TRAY LID UNIT	[M]
30	RYQ0681-K	STAND UNIT	[M]
31	RKAX0028-K	LEG CUSHION	[M]
33	RGR0382A-A2	REAR PANEL	[M] P ⚠
33	RGR0382A-B2	REAR PANEL	[M] PC ⚠
34	RHD30111-3	SCREW	[M]
35	RHD30119-S	SCREW	[M]
36	RHD30156	SCREW	[M]
37	RXXX0105	HEATSINK UNIT C	[M]
38	RKM0592-K	TOP CABINET	[M] ⚠
39	RMA2106	MECHA ANGLE F	[M]
40	RMA2110	MECHA ANGLE R	[M]
41	RMA2113	B/E ANGLE	[M]
42	RMA2114	SD ANGLE	[M]
43	RMAX0118-1	PCB BRACKET	[M]
44	RFKGABT100PK	FRONT PANEL ASS´Y	[M]
46	RMC0750	PANEL EARTH SPRING	[M]
47	RMC0753	MECHA EARTH SPRING	[M]
48	RMKX0127-K1	TRANSMITTER CHASSIS	[M]
49	RMKX0144B-3	BOTTOM CHASSIS	[M]
50	RMQX0233-K	FAN COVER	[M]
51	RMVX0117-K	CONNECTOR COVER	[M]
52	RSC0828-1	MECHA SHIELD PLATE	[M]
53	RSC0841	PANEL SHIELD	[M]
54	VHD1224-1	SCREW	[M]
55	RGKX0329-Q	VOLUME LIGHTING RING	[M]
56	RGL0715-Q	LIGHT GUIDE	[M]
57	RGU2564-K	POWER BUTTON	[M]
58	RGU2565-K	OPEN BUTTON	[M]
59	RGU2566-K	SELECTOR BUTTON	[M]
60	RGU2567-K	PLAY BUTTON	[M]
61	RGWX0076-1KJ	VOLUME KNOB	[M]
62	RHD26016-1L	SCREW	[M]
63	RHD26046	SCREW	[M]
64	RHD30007-K2J	SCREW	[M]
65	RHD30070	EARTH TERMINAL	[M]
66	RMA2146	LID ANGLE	[M]
67	RMB0892	SPRING	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
68	RMC0465	TR SPRING	[M]
69	RMC0749	HP EARTH SPRING	[M]
70	RMC0751	SD EARTH SPRING	[M]
71	RMCX0055	SPRING PLATE	[M]
72	RMNX0149-1	FL HOLDER	[M]
73	RMNX0253	LED HOLDER	[M]
74	RMR1868-K	SHAFT HOLDER	[M]
75	RMZX0038	IC INSULATOR	[M]
76	XSN3+4FJ	SCREW	[M]
77	XTB3+10JFJ	SCREW	[M]
78	XTW3+8TFJ	SCREW	[M]
80	RXXX0104	HEATSINK UNIT B	[M]
81	RSC0824	RADIATION RUBBER	[M]
		PACKING MATERIALS	
P1	RPG8453	PACKING CASE	[M] P
P1	RPG8454	PACKING CASE	[M] PC
P2	RPN2039	POLYFOAM	[M]
P3	RPFX0058-1J	MIRAMAT	[M]
		ACCESSORIES	
A1	N2QAKB000061	REMOTE CONTROL	[M]
A1-1	RKK-BT100P	R/C BATTERY COVER	[M]
A2	K2CB2CB00021	AC CORD	[M] ⚠
A3	RQT9129-P	O/I BOOK (En)	[M]
A3	RQT9130-C	O/I BOOK (Cf)	[M] PC
A4	RSA0007-M	FM INDOOR ANTENNA	[M]
A5	K2KA2BA00001	VIDEO CABLE	[M]
A6	N1DAAAA00002	AM LOOP ANTENNA	[M]
		PRINTED CIRCUIT BOARDS	
PCB1	REP4369A	DSP PCB	[M] (RTL)
PCB2	RFKB4368A	DIGITAL PCB	[M] (RTL) ⚠
PCB3	RFKB4370A	MAIN PCB	[M] (RTL) ⚠
PCB4	REP4371A	PANEL PCB	[M] (RTL)
PCB5	REP4371A	HEADPHONE P.C.B	[M] (RTL)
PCB6	REP4371A	SD P.C.B	[M] (RTL)
PCB7	REP4371A	OPEN/CLOSE P.C.B	[M] (RTL)
PCB8	REP4371A	POWER BUTTON P.C.B	[M] (RTL)
PCB9	REP4371A	WIRELESS ADAPTER P.C.B	[M] (RTL)
PCB10	REPX0621G	D-AMP P.C.B	[M] (RTL)
PCB11	REPX0622V	SMPS PCB	[M] (RTL) ⚠
PCB12	REPX0622V	AC INLET P.C.B	[M] (RTL) ⚠
PCB13	REPX0631A-C	I-POD CRADLE P.C.B	[M] (RTL)
		INTEGRATED CIRCUITS	
IC100	MN103SF73NXW	IC MICRO-PROCESSOR	[M]
IC101	C0JBAZ002843	IC 24BIT SERIAL PARALLEL CONVERTER	[M]
IC102	C0EBE0000242	IC RESET	[M]
IC103	RFKWEDF001PA	IC EEPROM	[M] (RTL) ⚠
IC104	C0CBABC00117	IC VOLTAGE REGULATOR	[M]
IC105	C3EBFC000042	IC EEPROM	[M]
IC500	C1AB00002750	IC AUDIO INPUT SELECTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
IC501	C0ABBB000189	IC OP-AMP	[M]
IC502	C0ABBB000189	IC OP-AMP	[M]
IC503	C0ABBB000189	IC OP-AMP	[M]
IC504	C0ABBB000189	IC OP-AMP	[M]
IC505	C0ABBB000189	IC OP-AMP	[M]
IC509	C0ABBB000125	IC OP-AMP	[M]
IC801	C1AB00002822	IC HD/SD VIDEO DRIVER	[M]
IC1001	C0DBZYE00002	IC USB HIGH SIDE SWITCH	[M]
IC1101	C0ABAA000114	IC SIGNAL ISOLATION AMP	[M]
IC1102	C0ABBB000189	IC OP-AMP	[M]
IC1103	MFI341S2095	IC CO-PROCESSOR	[M]
IC3001	C2HBZY000027	IC DSP	[M]
IC3002	RFKWBT100DS1	IC FLASH ROM	[M] ⚠
IC3003	C3ABMG000238	IC SDRAM	[M]
IC3004	C3ABMG000238	IC SDRAM	[M]
IC3101	C2HBZY000028	IC DSP	[M]
IC3102	RFKWBT100DS2	IC FLASH ROM	[M] ⚠
IC3103	C3ABMG000238	IC SDRAM	[M]
IC3104	C3ABMG000238	IC SDRAM	[M]
IC3201	C0FBAK000026	IC A/D CONVERTER	[M]
IC3401	C0JBAB000661	IC INVERTER	[M]
IC3402	C0JBAB000661	IC INVERTER	[M]
IC3403	C0JBAR000434	IC MULTIPLEXER	[M]
IC3404	C1BB00000692	IC DIR/DIT	[M]
IC3501	C0FBBK000044	IC D/A CONVERTER	[M]
IC3551	C0JBAZ002811	IC BUS BUFFFER	[M]
IC3601	C0DBAKG00007	IC DC/DC CONVERTER	[M]
IC3602	C0DBZYY00018	IC +3.3V REGULATOR	[M]
IC5000	C1BA00000487	IC AUDIO DIGITAL POWER AMP	[M]
IC5200	C1BA00000487	IC AUDIO DIGITAL POWER AMP	[M]
IC5300	C1BA00000487	IC AUDIO DIGITAL POWER AMP	[M]
IC5400	C1BA00000487	IC AUDIO DIGITAL POWER AMP	[M]
IC5500	C0JBAB000902	IC INVERTER GATE	[M]
IC5501	C0JBAF000716	IC D-TYPE FLIP-FLOP	[M]
IC5701	C5HACYY00004	IC SWITCHING REGULATOR	[M]
IC5799	MIP4110MSSCF	IC SWITCHING REGULATOR	[M]
IC5801	C0DABFC00002	IC SHUNT REGULATOR	[M]
IC5899	C0DAEMZ00001	IC SHUNT REGULATOR	[M]
IC6001	C0HBB0000057	IC FL DISPLAY DRIVER	[M]
IC7001	C0DBAYY00333	IC SWITCHING REGULATOR CONTROLLER	[M]
IC7002	C0DBZYY00018	IC +3.3V REGULATOR	[M]
IC7003	C0DBZHG00047	IC +9V REGULATOR	[M]
IC51001	MN2WS0043AP	IC DV LSI	[M] ⚠
IC51002	C0EBE0000368	IC RESET	[M]
IC51003	C1CB00002777	IC CLOCK GENERATOR	[M]
IC51005	C1CB00002408	IC CLOCK GENERATOR	[M]
IC51302	C3FBSC000029	IC NAND FLASH ROM	[M] ⚠
IC51303	C3ZBL0000027	IC EEPROM	[M] ⚠
IC52001	C3ABSC000018	IC DDR2 SDRAM	[M]
IC52002	C3ABSC000018	IC DDR2 SDRAM	[M]
IC52003	C3ABSC000018	IC DDR2 SDRAM	[M]
IC52006	C1CB00002678	IC ZERO DELAY BUFFER	[M]
IC52010	C3ABSC000018	IC DDR2 SDRAM	[M]
IC52240	C1CB00002678	IC ZERO DELAY BUFFER	[M]
IC52271	C3ABSG000051	IC DDR2 SDRAM	[M]
IC52272	C3ABSG000051	IC DDR2 SDRAM	[M]
IC54028	C0FBBK000049	IC AUDIO D/A CONVERTER	[M]
IC56002	MN864704AKP	IC HDMI TRANSMITTER	[M]
IC58001	C0DBAYY00317	IC STEPDOWN DC/DC CONVERTER	[M]
IC58003	C0DBAYY00273	IC DC/DC CONVERTER	[M]
IC58004	C0DBAYH00003	IC ONE CHANNEL DC/DC CONVERTER	[M]
IC58301	C0CBCDD00004	IC HDMI +5V REGULATOR	[M]
IC58303	C0DBEYY00016	IC HDMI +3.3V REGULATOR	[M]
IC58304	C0DBGFD00024	IC HDMI +1.2V REGULATOR	[M]
		TRANSISTORS	
Q101	B1ADCE000012	TRANSISTOR	[M]
Q102	B1GFGCAA0001	TRANSISTOR	[M]
Q500	B1ADCE000012	TRANSISTOR	[M]
Q502	B1GFGCAA0001	TRANSISTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
Q503	B1GFGCAA0001	TRANSISTOR	[M]
Q504	B1GFGCAA0001	TRANSISTOR	[M]
Q506	B1GFGCAA0001	TRANSISTOR	[M]
Q507	B1GFGCAA0001	TRANSISTOR	[M]
Q508	B1GFGCAA0001	TRANSISTOR	[M]
Q509	B1ADCE000012	TRANSISTOR	[M]
Q510	B1GFGCAA0001	TRANSISTOR	[M]
Q520	B1GFGCAA0001	TRANSISTOR	[M]
Q1101	B1ABCF000176	TRANSISTOR	[M]
Q1102	B1ADCE000012	TRANSISTOR	[M]
Q1103	B1ADCE000012	TRANSISTOR	[M]
Q3601	B1DHDD000029	TRANSISTOR	[M]
Q5101	B1ABCF000176	TRANSISTOR	[M]
Q5102	B1ABCF000176	TRANSISTOR	[M]
Q5601	B1ABCF000176	TRANSISTOR	[M]
Q5602	B1ABCF000176	TRANSISTOR	[M]
Q5603	B1ADCE000012	TRANSISTOR	[M]
Q5604	B1ABCF000176	TRANSISTOR	[M]
Q5640	B1BACD000018	TRANSISTOR	[M]
Q5641	2SC584500L	TRANSISTOR	[M]
Q5642	2SC584500L	TRANSISTOR	[M]
Q5644	2SC584500L	TRANSISTOR	[M]
Q5720	2SC3940ARA	TRANSISTOR	[M]
Q5721	2SA207700L	TRANSISTOR	[M]
Q5722	B1ABCF000176	TRANSISTOR	[M]
Q5802	B1ABCF000176	TRANSISTOR	[M]
Q5803	2SC3940ARA	TRANSISTOR	[M]
Q5860	2SA207700L	TRANSISTOR	[M]
Q5861	B1ABCF000176	TRANSISTOR	[M]
Q5862	B1ABCF000176	TRANSISTOR	[M]
Q5898	B1ABCF000176	TRANSISTOR	[M]
Q6001	B1GBCFGN0018	TRANSISTOR	[M]
Q6002	B1GBCFGN0018	TRANSISTOR	[M]
Q6003	B1GBCFGN0018	TRANSISTOR	[M]
Q6101	B1GBCFGN0018	TRANSISTOR	[M]
Q7001	B1BABK000001	TRANSISTOR	[M]
Q7002	B1CHPD000003	TRANSISTOR	[M]
Q7003	B1CHPD000003	TRANSISTOR	[M]
Q7004	2SB0621AHA	TRANSISTOR	[M]
Q7005	B1ADCE000012	TRANSISTOR	[M]
Q7006	2SC3940ARA	TRANSISTOR	[M]
Q7007	B1ABCF000176	TRANSISTOR	[M]
Q7008	B1ABCF000176	TRANSISTOR	[M]
Q55015	2SA153200L	TRANSISTOR	[M]
Q55016	2SA153200L	TRANSISTOR	[M]
Q55017	2SA153200L	TRANSISTOR	[M]
Q55018	B1ADCF000154	TRANSISTOR	[M]
Q55019	B1ADCF000154	TRANSISTOR	[M]
Q56004	B1ABDF000026	TRANSISTOR	[M]
Q56005	B1ABDF000026	TRANSISTOR	[M]
Q56006	B1ABDF000026	TRANSISTOR	[M]
Q56007	B1ABDF000026	TRANSISTOR	[M]
Q56008	B1ABDF000026	TRANSISTOR	[M]
Q58001	2SB1218A0L	TRANSISTOR	[M]
Q58002	B1CHQD000008	TRANSISTOR	[M]
Q58004	B1MBDDA00015	TRANSISTOR	[M]
Q58005	B1CFRD000023	TRANSISTOR	[M]
QR101	B1GBCFLL0037	TRANSISTOR	[M]
QR504	B1ADCE000012	TRANSISTOR	[M]
QR801	B1GBCFLL0037	TRANSISTOR	[M]
QR802	B1GBCFLL0037	TRANSISTOR	[M]
QR803	B1GBCFLL0037	TRANSISTOR	[M]
QR1101	B1GBCFJJ0051	TRANSISTOR	[M]
QR1102	B1GBCFJJ0051	TRANSISTOR	[M]
QR3401	B1GDCFJN0001	TRANSISTOR	[M]
QR3601	B1GBCFJJ0001	TRANSISTOR	[M]
QR5801	UNR221400L	TRANSISTOR	[M]
QR5810	B1GBCFLL0037	TRANSISTOR	[M]
QR7001	B1GBCFGG0030	TRANSISTOR	[M]
QR51001	B1GDCFGG0028	TRANSISTOR	[M]
QR51002	B1GDCFGG0028	TRANSISTOR	[M]
QR51003	B1GBCFGG0024	TRANSISTOR	[M]
QR51004	B1GBCFGG0024	TRANSISTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
QR51603	B1GBCFJN0039	TRANSISTOR	[M]
QR54005	B1GBCFJJ0040	TRANSISTOR	[M]
QR58001	UNR9213J0L	TRANSISTOR	[M]
		DIODES	
D500	MAZ80510ML	DIODE	[M]
D501	MA2J11100L	DIODE	[M]
D801	MA2J11100L	DIODE	[M]
D1101	B0JCPG000005	DIODE	[M]
D1102	B0JCMD000010	DIODE	[M]
D3501	MA2J11100L	DIODE	[M]
D3506	MA2J11100L	DIODE	[M]
D3601	B0JCPD000021	DIODE	[M]
D3602	B0ECKM000016	DIODE	[M]
D3603	MAZ802400L	DIODE	[M]
D3604	MAZ80510ML	DIODE	[M]
D5001	B0HCMM000019	DIODE	[M]
D5002	B0HCMM000019	DIODE	[M]
D5003	B0HCMM000019	DIODE	[M]
D5004	B0HCMM000019	DIODE	[M]
D5201	B0HCMM000019	DIODE	[M]
D5202	B0HCMM000019	DIODE	[M]
D5203	B0HCMM000019	DIODE	[M]
D5204	B0HCMM000019	DIODE	[M]
D5401	B0HCMM000019	DIODE	[M]
D5402	B0HCMM000019	DIODE	[M]
D5403	B0HCMM000019	DIODE	[M]
D5404	B0HCMM000019	DIODE	[M]
D5501	MA2J11100L	DIODE	[M]
D5502	MA2J11100L	DIODE	[M]
D5503	MAZ80560ML	DIODE	[M]
D5640	MAZ81200ML	DIODE	[M]
D5643	MA2J11100L	DIODE	[M]
D5644	MA2J11100L	DIODE	[M]
D5645	MA2J11100L	DIODE	[M]
D5701	B0FBAR000041	DIODE	[M]
D5702	B0ZAZ0000052	DIODE	[M]
D5721	MAZ81800ML	DIODE	[M]
D5722	B0BC019A0007	DIODE	[M]
D5723	MA2J11100L	DIODE	[M]
D5724	MA2J11100L	DIODE	[M]
D5725	B0BC6R100010	DIODE	[M]
D5726	B0EAKM000117	DIODE	[M]
D5727	MA2J11100L	DIODE	[M]
D5728	MA2J11100L	DIODE	[M]
D5729	B0EAMM000057	DIODE	[M]
D5730	MA2YF8000L	DIODE	[M]
D5731	B0EAMM000057	DIODE	[M]
D5732	B0BC035A0007	DIODE	[M]
D5793	B0HAMP000094	DIODE	[M]
D5797	MA2J72800L	DIODE	[M]
D5798	B0EAMM000057	DIODE	[M]
D5801	B0HBSM000043	DIODE	[M]
D5802	B0HBSM000043	DIODE	[M]
D5803	B0HFRJ000012	DIODE	[M]
D5804	B0EAMM000057	DIODE	[M]
D5805	B0EAMM000057	DIODE	[M]
D5806	MAZ80750ML	DIODE	[M]
D5807	MA2J11100L	DIODE	[M]
D5809	MA2J11100L	DIODE	[M]
D5896	B0EAMM000057	DIODE	[M]
D6001	B3AEA0000058	DIODE	[M]
D6002	B3ABA0000397	DIODE	[M]
D6003	B3ABA0000397	DIODE	[M]
D6101	B3AAA0000489	DIODE	[M]
D7001	MAZ81800ML	DIODE	[M]
D7002	MAZ81800ML	DIODE	[M]
D7003	MAZ82700LL	DIODE	[M]
D7004	MAZ80330LL	DIODE	[M]
D7005	B0JCMD000010	DIODE	[M]
D7006	B0JAME000029	DIODE	[M]
D7011	B0JCPG000005	DIODE	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
D7012	B0JCPG000005	DIODE	[M]
D7013	MA2J11100L	DIODE	[M]
D7014	MA2J11100L	DIODE	[M]
D7015	MA2J11100L	DIODE	[M]
D7016	MA2J11100L	DIODE	[M]
D7017	MA2J11100L	DIODE	[M]
D7018	MA2J11100L	DIODE	[M]
D7019	MA2J11100L	DIODE	[M]
D7020	MA2J11100L	DIODE	[M]
D7021	MA2J11100L	DIODE	[M]
D7022	MA2J11100L	DIODE	[M]
D7023	MAZ82700LL	DIODE	[M]
D7024	MAZ80750ML	DIODE	[M]
D7031	MAZ80750ML	DIODE	[M]
D7033	MAZ80680ML	DIODE	[M]
D7035	MAZ81000HL	DIODE	[M]
D7036	MAZ80680ML	DIODE	[M]
D7037	MAZ81000HL	DIODE	[M]
D7038	MAZ81300HL	DIODE	[M]
D58002	B0JCPD000021	DIODE	[M]
D58004	MA2SD3200L	DIODE	[M]
D58005	MA22D3900L	DIODE	[M]
D58007	MA2J11100L	DIODE	[M]
D58008	MA22D3900L	DIODE	[M]
D58302	MA2J11100L	DIODE	[M]
D58303	MA2J11100L	DIODE	[M]
D58304	MA2J11100L	DIODE	[M]
DZ5701	ERZV10V511CS	ZENER	[M] ⚠
		VARIABLE RESISTOR	
VR6001	EVEKE2F2524M	VOLUME JOG	[M]
		SWITCHES	
S6001	EVQ21405R	SW STOP	[M]
S6002	EVQ21405R	SW PLAY	[M]
S6003	EVQ21405R	SW SELECTOR	[M]
S6004	EVQ21405R	SW BACKWARD / TUNE DOWN	[M]
S6005	EVQ21405R	SW FORWARD / TUNE UP	[M]
S6006	EVQ21405R	SW SW BOOST	[M]
S6101	EVQ21405R	SW POWER	[M]
S6102	EVQ21405R	SW OPEN/CLOSE	[M]
PSW1	D4FB1R100009	SW	[M]
		CONNECTORS	
CN101	K1MN06AA0003	6P CONNECTOR	[M]
CN501	K1MN24BA0005	24P CONNECTOR	[M]
CN502	K1MN20AA0004	20P CONNECTOR	[M]
CN503	K1MN17AA0004	17P CONNECTOR	[M]
CN802	K1MN19BA0005	19P CONNECTOR	[M]
CN803	K1MN30AA0004	30P CONNECTOR	[M]
CN804	K1MN22AA0004	22P CONNECTOR	[M]
CN806	K1MN25B00019	25P FFC CONNECTOR	[M]
CN1001	MFI514S0117	30P CONNECTOR (IPOD)	[M]
CN1002	K1MN14BA0141	14P CONNECTOR	[M]
CN1101	K1MN14BA0004	14P CONNECTOR	[M]
CN3001	K1MN15AA0076	15P CONNECTOR	[M]
CN3002	K1MN20A00081	20P CONNECTOR	[M]
CN3005	K1MN24AA0076	24P CONNECTOR	[M]
CN3006	K1MY10AA0021	10P CONNECTOR	[M]
CN5050	K1MN17AA0004	17P CONNECTOR	[M]
CN5500	K1KA08AA0180	8P CONNECTOR	[M]
CN5501	K1KA03AA0301	3P CONNECTOR	[M]
CN5802	K1KA11AA0194	11P CONNECTOR	[M]
CN6001	K1YZ05000005	5P CABLE HOLDER	[M]
CN6002	K1KA04BA0061	4P CONNECTOR	[M]
CN6003	K1YZ04000002	4P CABLE HOLDER	[M]
CN6101	K1YZ05000005	5P CABLE HOLDER	[M]
CN6102	K1YZ05000005	5P CABLE HOLDER	[M]
CN6103	K1YZ05000005	5P CABLE HOLDER	[M]
CN6201	K1MN13AA0003	13P CONNECTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
CN6301	K1MN19AA0004	19P CONNECTOR	[M]
CN6302	K1MY22A00003	22P CONNECTOR (WIRELESS)	[M]
CN7001	K1YZ11000002	11P CABLE HOLDER	[M]
CN7002	K1KA04AA0180	4P CONNECTOR	[M]
CN54000	K1MN15AA0076	15P CONNECTOR	[M]
P6001	K1MN25AA0004	25P CONNECTOR	[M]
P6201	K1NA12B00004	12P CONNECTOR (SD)	[M]
P51301	K1MN50AA0082	50P CONNECTOR	[M]
P51302	K1MN40AA0082	40P CONNECTOR	[M]
P51601	K1KA06AA0104	6P CONNECTOR	[M]
P51603	K1MN40BA0173	40P CONNECTOR	[M]
P58002	K1MN22AA0076	22P CONNECTOR	[M]
P58004	K1MN30AA0076	30P CONNECTOR	[M]
P58005	K1MN13AA0076	13P CONNECTOR	[M]
		COILS & INDUCTORS	
L501	G1C100K00019	INDUCTOR	[M]
L801	G0C390JA0055	INDUCTOR	[M]
L802	G0C390JA0055	INDUCTOR	[M]
L1001	J0JHC0000107	INDUCTOR	[M]
L1002	J0JHC0000107	INDUCTOR	[M]
L1003	J0JHC0000107	INDUCTOR	[M]
L1004	J0JHC0000107	INDUCTOR	[M]
L1005	J0JHC0000107	INDUCTOR	[M]
L1006	J0JHC0000107	INDUCTOR	[M]
L1007	J0JHC0000107	INDUCTOR	[M]
L1008	J0JHC0000107	INDUCTOR	[M]
L1009	J0JHC0000107	INDUCTOR	[M]
L1010	J0JHC0000107	INDUCTOR	[M]
L1011	J0JHC0000107	INDUCTOR	[M]
L3601	J0JHC0000032	INDUCTOR	[M]
L3602	G1A220G00006	COIL	[M]
L5000	G0A150L00003	CHOKE COIL	[M]
L5001	G0B9R5K00003	LINE FILTER	[M]
L5002	G0B9R5K00003	LINE FILTER	[M]
L5200	G0A150L00003	CHOKE COIL	[M]
L5201	G0B9R5K00003	LINE FILTER	[M]
L5300	G0A150L00003	CHOKE COIL	[M]
L5301	G0B9R5K00003	LINE FILTER	[M]
L5400	G0A150L00003	CHOKE COIL	[M]
L5500	J0JKB0000020	INDUCTOR	[M]
L5501	J0JKB0000020	INDUCTOR	[M]
L5701	ELF15N035AN	LINE FILTER	[M] ⚠
L5702	ELF22V035B	LINE FILTER	[M] ⚠
L5703	ELF22V035B	LINE FILTER	[M] ⚠
L6001	J0JBC0000014	INDUCTOR	[M]
L6002	J0JBC0000014	INDUCTOR	[M]
L6003	J0JBC0000014	INDUCTOR	[M]
L6004	J0JBC0000014	INDUCTOR	[M]
L7001	G0C390JA0055	INDUCTOR	[M]
L7002	G0A220GA0026	CHOKE COIL	[M]
L7003	G0A330ZA0028	CHOKE COIL	[M]
L7004	G0A330ZA0028	CHOKE COIL	[M]
L7005	G0A220GA0026	CHOKE COIL	[M]
L7006	G0A220GA0026	CHOKE COIL	[M]
L7007	G0A220GA0026	CHOKE COIL	[M]
L7009	G0A220GA0026	CHOKE COIL	[M]
L7012	G0A220GA0026	CHOKE COIL	[M]
L7013	G0A220GA0026	CHOKE COIL	[M]
L7014	G0A220GA0026	CHOKE COIL	[M]
L56001	G1C100K00019	INDUCTOR	[M]
L56002	G1C100K00019	INDUCTOR	[M]
L56003	J0MAB0000225	INDUCTOR	[M]
L56004	J0MAB0000225	INDUCTOR	[M]
L56005	J0MAB0000225	INDUCTOR	[M]
L56006	J0MAB0000225	INDUCTOR	[M]
L58001	G1C100M00041	INDUCTOR	[M]
L58003	G1C4R7Z00014	INDUCTOR	[M]
L58005	G1C2R2Z00006	INDUCTOR	[M]
LB802	J0JBC0000014	INDUCTOR	[M]
LB803	J0JBC0000014	INDUCTOR	[M]
LB804	J0JBC0000041	INDUCTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
LB805	J0JBC0000041	INDUCTOR	[M]
LB807	J0JBC0000014	INDUCTOR	[M]
LB808	J0JBC0000014	INDUCTOR	[M]
LB809	J0JBC0000014	INDUCTOR	[M]
LB810	J0JBC0000014	INDUCTOR	[M]
LB811	J0JBC0000014	INDUCTOR	[M]
LB812	J0JBC0000014	INDUCTOR	[M]
LB813	J0JBC0000014	INDUCTOR	[M]
LB814	J0JBC0000014	INDUCTOR	[M]
LB815	J0JBC0000014	INDUCTOR	[M]
LB816	J0JBC0000014	INDUCTOR	[M]
LB817	J0JBC0000014	INDUCTOR	[M]
LB818	J0JBC0000014	INDUCTOR	[M]
LB819	J0JBC0000014	INDUCTOR	[M]
LB820	J0JBC0000014	INDUCTOR	[M]
LB821	J0JBC0000014	INDUCTOR	[M]
LB822	J0JBC0000014	INDUCTOR	[M]
LB823	J0JBC0000014	INDUCTOR	[M]
LB824	J0JBC0000014	INDUCTOR	[M]
LB825	J0JBC0000014	INDUCTOR	[M]
LB826	J0JBC0000014	INDUCTOR	[M]
LB827	J0JBC0000014	INDUCTOR	[M]
LB3001	J0JBC0000041	INDUCTOR	[M]
LB3002	J0JGC0000020	INDUCTOR	[M]
LB3003	J0JHC0000048	INDUCTOR	[M]
LB3004	J0JHC0000048	INDUCTOR	[M]
LB3005	J0JGC0000020	INDUCTOR	[M]
LB3006	J0JGC0000020	INDUCTOR	[M]
LB3007	J0JGC0000020	INDUCTOR	[M]
LB3101	J0JGC0000020	INDUCTOR	[M]
LB3102	J0JBC0000041	INDUCTOR	[M]
LB3103	J0JGC0000020	INDUCTOR	[M]
LB3104	J0JHC0000048	INDUCTOR	[M]
LB3105	J0JHC0000048	INDUCTOR	[M]
LB3106	J0JGC0000020	INDUCTOR	[M]
LB3107	J0JGC0000020	INDUCTOR	[M]
LB3108	J0JHC0000048	INDUCTOR	[M]
LB3109	J0JHC0000048	INDUCTOR	[M]
LB3201	J0JBC0000041	INDUCTOR	[M]
LB3202	J0JBC0000041	INDUCTOR	[M]
LB3401	J0JGC0000020	INDUCTOR	[M]
LB3402	J0JGC0000020	INDUCTOR	[M]
LB3403	J0JHC0000048	INDUCTOR	[M]
LB3404	J0JHC0000048	INDUCTOR	[M]
LB3405	J0JHC0000048	INDUCTOR	[M]
LB3406	J0JGC0000020	INDUCTOR	[M]
LB3407	J0JGC0000020	INDUCTOR	[M]
LB3408	J0JGC0000020	INDUCTOR	[M]
LB3409	J0JHC0000048	INDUCTOR	[M]
LB3410	J0JHC0000048	INDUCTOR	[M]
LB3501	J0JBC0000041	INDUCTOR	[M]
LB3502	J0JBC0000041	INDUCTOR	[M]
LB3551	J0JGC0000020	INDUCTOR	[M]
LB3601	J0JHC0000032	INDUCTOR	[M]
LB3602	J0JHC0000032	INDUCTOR	[M]
LB6201	J0JHC0000045	INDUCTOR	[M]
LB6202	J0JHC0000045	INDUCTOR	[M]
LB6203	J0JHC0000045	INDUCTOR	[M]
LB6204	J0JHC0000045	INDUCTOR	[M]
LB6205	J0JHC0000045	INDUCTOR	[M]
LB6206	J0JHC0000045	INDUCTOR	[M]
LB6207	J0JHC0000045	INDUCTOR	[M]
LB6208	J0JHC0000045	INDUCTOR	[M]
LB6209	J0JHC0000045	INDUCTOR	[M]
LB6210	J0JHC0000045	INDUCTOR	[M]
LB6211	J0JHC0000045	INDUCTOR	[M]
LB6212	J0JHC0000045	INDUCTOR	[M]
LB6213	J0JHC0000045	INDUCTOR	[M]
LB6214	J0JHC0000045	INDUCTOR	[M]
LB7001	J0JBC0000041	INDUCTOR	[M]
LB7002	J0JBC0000041	INDUCTOR	[M]
LB7004	J0JBC0000041	INDUCTOR	[M]
LB51001	J0JYC0000070	INDUCTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
LB51002	J0JYC0000070	INDUCTOR	[M]
LB51003	J0JYC0000070	INDUCTOR	[M]
LB51004	J0JYC0000070	INDUCTOR	[M]
LB51005	J0JYC0000070	INDUCTOR	[M]
LB51007	J0JGC0000020	INDUCTOR	[M]
LB51008	J0JGC0000020	INDUCTOR	[M]
LB51012	J0JGC0000020	INDUCTOR	[M]
LB51013	J0JGC0000020	INDUCTOR	[M]
LB51014	J0JGC0000020	INDUCTOR	[M]
LB51015	J0JGC0000020	INDUCTOR	[M]
LB51016	J0JGC0000020	INDUCTOR	[M]
LB51017	J0JGC0000020	INDUCTOR	[M]
LB51018	J0JGC0000020	INDUCTOR	[M]
LB51019	J0JGC0000020	INDUCTOR	[M]
LB51301	J0JYC0000070	INDUCTOR	[M]
LB51302	J0JYC0000070	INDUCTOR	[M]
LB51601	J0JGC0000020	INDUCTOR	[M]
LB52010	J0JGC0000020	INDUCTOR	[M]
LB52201	J0JGC0000020	INDUCTOR	[M]
LB54130	J0JCC0000103	INDUCTOR	[M]
LB54131	J0JCC0000103	INDUCTOR	[M]
LB55013	J0JYC0000070	INDUCTOR	[M]
LB55014	J0JYC0000070	INDUCTOR	[M]
LB58301	J0JHC0000045	INDUCTOR	[M]
LB58323	J0JHC0000045	INDUCTOR	[M]
LB58324	J0JHC0000018	INDUCTOR	[M]
LB58500	J0JHC0000045	INDUCTOR	[M]
		TRANSFORMERS	
T5701	ETS42BM19GAC	MAIN TRANSFORMER	[M] ⚠
T5751	ETS19AB281AG	BACKUP TRANSFORMER	[M] ⚠
T7001	G4D1A0000117	SWITCHING TRANSFORMER	[M] ⚠
		COMPOMENT COMBINATIONS	
IR6001	B3RAD0000143	REMOTE SENSOR	[M]
Z801	ENG06842QRF	TUNER PACK	[M]
ZA5701	K3GE1ZZ00001	FUSE HOLDER	[M]
ZA5702	K3GE1ZZ00001	FUSE HOLDER	[M]
ZC2001	RMC0667	EARTH SPRING	[M]
ZJ5400	K4CZ01000027	TERMINAL	[M]
ZJ5410	K4CZ01000027	TERMINAL	[M]
ZJ5701	K4CZ01000027	TERMINAL	[M]
ZJ5801	K4CZ01000027	TERMINAL	[M]
ZJ5803	K4CZ01000027	TERMINAL	[M]
ZJ6201	K4CZ01000027	TERMINAL	[M]
		PHOTO COUPLERS	
PC5701	B3PBA0000402	PHOTO COUPLER	[M] ⚠
PC5702	B3PBA0000402	PHOTO COUPLER	[M] ⚠
PC5720	B3PBA0000402	PHOTO COUPLER	[M] ⚠
PC5799	B3PBA0000402	PHOTO COUPLER	[M] ⚠
		OSCILLATORS	
X100	H2B100500004	CRYSTAL OSCILLATOR	[M]
X101	H0A327200097	CRYSTAL OSCILLATOR	[M]
X1101	H0A327200097	CRYSTAL OSCILLATOR	[M]
X3401	H0J240500038	CRYSTAL OSCILLATOR	[M]
X3402	H0J245500091	CRYSTAL OSCILLATOR	[M]
X5500	H2A6023A0011	CRYSTAL OSCILLATOR	[M]
X5501	H2A7003A0011	CRYSTAL OSCILLATOR	[M]
X51001	H0J270500112	CRYSTAL OSCILLATOR	[M]
X51003	H0J250500069	CRYSTAL OSCILLATOR	[M]
		FUSE	
F1	K5D802APA008	FUSE	[M] ⚠
		FL DISPLAY	

Ref. No.	Part No.	Part Name & Description	Remarks
DP6001	A2BB00000170	LCD DISPLAY	[M]
		IC PROTECTOR	
IP7001	K5H7512A0010	PROTECTOR	[M] ⚠
IP58301	ERBSE3R00U	PROTECTOR	[M] ⚠
		THERMISTORS	
TH5701	D4CAA2R20001	THERMISTOR	[M] ⚠
TH5860	D4CC11040013	THERMISTOR	[M] ⚠
		JACKS	
JK502	B3RAB0000056	JK DIGITAL (OPTICAL IN)	[M]
JK2001	K2HA6YYG0001	JK AV	[M]
JK2002	K2HC1YYB0033	JK SURROUND	[M]
JK2003	K2HC1YYB0033	JK SURROUND BACK	[M]
JK5001	K4AL08B00001	JK SPEAKER	[M]
JK6001	K2HC1YYB0033	JK HEADPHONE	[M]
JK56001	K1FA119E0004	JK HDMI (AV OUT)	[M]
P5701	K2AB2B000010	AC INLET	[M] ⚠
		CHIP JUMPERS	
K2	D0GBR00JA008	0 1/16W	[M]
K6	D0GBR00JA008	0 1/16W	[M]
K401	D0GBR00JA008	0 1/16W	[M]
K5202	D0GBR00JA008	0 1/16W	[M]
K5252	D0GBR00JA008	0 1/16W	[M]
K5253	D0GBR00JA008	0 1/16W	[M]
K5254	D0GBR00JA008	0 1/16W	[M]
K5302	D0GBR00JA008	0 1/16W	[M]
K5500	D0GBR00JA008	0 1/16W	[M]
K5801	D0GBR00JA008	0 1/16W	[M]
LB801	D0GBR00JA008	0 1/16W	[M]
LB806	D0GBR00JA008	0 1/16W	[M]
LB828	D0GBR00JA008	0 1/16W	[M]
LB829	D0GBR00JA008	0 1/16W	[M]
LB6301	D0GBR00JA008	0 1/16W	[M]
LB6302	D0GBR00JA008	0 1/16W	[M]
LB6303	D0GBR00JA008	0 1/16W	[M]
LB6304	D0GBR00JA008	0 1/16W	[M]
LB6305	D0GBR00JA008	0 1/16W	[M]
LB6306	D0GBR00JA008	0 1/16W	[M]
LB6307	D0GBR00JA008	0 1/16W	[M]
LB6308	D0GBR00JA008	0 1/16W	[M]
LB6309	D0GBR00JA008	0 1/16W	[M]
LB6310	D0GBR00JA008	0 1/16W	[M]
LB6311	D0GBR00JA008	0 1/16W	[M]
LB6312	D0GBR00JA008	0 1/16W	[M]
LB6313	D0GBR00JA008	0 1/16W	[M]
LB6314	D0GBR00JA008	0 1/16W	[M]
LB6315	D0GBR00JA008	0 1/16W	[M]
LB6316	D0GBR00JA008	0 1/16W	[M]
LB6317	D0GBR00JA008	0 1/16W	[M]
LB6318	D0GBR00JA008	0 1/16W	[M]
LB6319	D0GBR00JA008	0 1/16W	[M]
LB51022	D0GBR00JA008	0 1/16W	[M]
LB51025	D0GBR00JA008	0 1/16W	[M]
LB51026	D0GBR00JA008	0 1/16W	[M]
LB51027	D0GBR00JA008	0 1/16W	[M]
LB52001	D0GBR00JA008	0 1/16W	[M]
LB52002	D0GBR00JA008	0 1/16W	[M]
LB52007	D0GBR00JA008	0 1/16W	[M]
LB52008	D0GBR00JA008	0 1/16W	[M]
LB52013	D0GBR00JA008	0 1/16W	[M]
LB52014	D0GBR00JA008	0 1/16W	[M]
LB52017	D0GBR00JA008	0 1/16W	[M]
LB52018	D0GBR00JA008	0 1/16W	[M]
LB52202	D0GBR00JA008	0 1/16W	[M]
LB52203	D0GBR00JA008	0 1/16W	[M]
LB52204	D0GBR00JA008	0 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
LB52205	D0GBR00JA008	0 1/16W	[M]
LB56002	D0GBR00JA008	0 1/16W	[M]
LB56003	D0GBR00JA008	0 1/16W	[M]
LB56004	D0GBR00JA008	0 1/16W	[M]
LB56005	D0GBR00JA008	0 1/16W	[M]
LB56006	D0GBR00JA008	0 1/16W	[M]
LB56007	D0GBR00JA008	0 1/16W	[M]
LB56008	D0GBR00JA008	0 1/16W	[M]
LB58004	D0GDR00JA017	0 1/10W	[M]
LB58016	D0GBR00JA008	0 1/16W	[M]
LB58302	D0GBR00JA008	0 1/16W	[M]
LB58303	D0GBR00JA008	0 1/16W	[M]
LB58305	D0GBR00JA008	0 1/16W	[M]
LB58306	D0GBR00JA008	0 1/16W	[M]
LB58307	D0GBR00JA008	0 1/16W	[M]
LB58310	D0GBR00JA008	0 1/16W	[M]
LB58311	D0GBR00JA008	0 1/16W	[M]
LB58312	D0GBR00JA008	0 1/16W	[M]
LB58313	D0GBR00JA008	0 1/16W	[M]
LB58314	D0GBR00JA008	0 1/16W	[M]
W5007	D0GDR00JA017	0 1/10W	[M]
W5032	ERJ8GEY0R00V	0 1/4W	[M]
W5059	D0GDR00JA017	0 1/10W	[M]
W5071	D0GBR00JA008	0 1/16W	[M]
W5098	D0GBR00JA008	0 1/16W	[M]
W5780	D0GDR00JA017	0 1/10W	[M]
W5801	D0GBR00JA008	0 1/16W	[M]
W5803	D0GDR00JA017	0 1/10W	[M]
W5804	D0GBR00JA008	0 1/16W	[M]
W5805	D0GDR00JA017	0 1/10W	[M]
W5806	D0GDR00JA017	0 1/10W	[M]
		RESISTORS	
R100	D0GB221JA007	220 1/10W	[M]
R101	D0GB101JA007	100 1/10W	[M]
R102	D0GB473JA008	47K 1/16W	[M]
R103	D0GB101JA007	100 1/10W	[M]
R104	D0GB101JA007	100 1/10W	[M]
R105	D0GB101JA007	100 1/10W	[M]
R106	D0GB101JA007	100 1/10W	[M]
R107	D0GB101JA007	100 1/10W	[M]
R108	D0GB101JA007	100 1/10W	[M]
R109	D0GB101JA007	100 1/10W	[M]
R110	D0GB101JA007	100 1/10W	[M]
R111	D0GB101JA007	100 1/10W	[M]
R112	D0GB101JA007	100 1/10W	[M]
R113	D0GB101JA007	100 1/10W	[M]
R114	D0GB101JA007	100 1/10W	[M]
R115	D0GB101JA007	100 1/10W	[M]
R116	D0GB103JA007	10K 1/10W	[M]
R117	D0GBR00JA008	0 1/16W	[M]
R118	D0GB101JA007	100 1/10W	[M]
R119	D0GB101JA007	100 1/10W	[M]
R120	D0GB101JA007	100 1/10W	[M]
R121	D0GB101JA007	100 1/10W	[M]
R122	D0GB101JA007	100 1/10W	[M]
R123	D0GB101JA007	100 1/10W	[M]
R124	D0GB101JA007	100 1/10W	[M]
R125	D0GB101JA007	100 1/10W	[M]
R126	D0GB101JA007	100 1/10W	[M]
R127	D0GB101JA007	100 1/10W	[M]
R128	D0GB101JA007	100 1/10W	[M]
R129	D0GB101JA007	100 1/10W	[M]
R130	D0GB101JA007	100 1/10W	[M]
R131	D0GB101JA007	100 1/10W	[M]
R132	D0GB101JA007	100 1/10W	[M]
R133	D0GB101JA007	100 1/10W	[M]
R134	D0GB101JA007	100 1/10W	[M]
R135	D0GB101JA007	100 1/10W	[M]
R137	D0GB101JA007	100 1/10W	[M]
R138	D0GB101JA007	100 1/10W	[M]
R139	D0GB101JA007	100 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R140	D0GB101JA007	100 1/10W	[M]
R141	D0GB101JA007	100 1/10W	[M]
R142	D0GB101JA007	100 1/10W	[M]
R143	D0GB101JA007	100 1/10W	[M]
R144	D0GB101JA007	100 1/10W	[M]
R145	D0GB101JA007	100 1/10W	[M]
R146	D0GB101JA007	100 1/10W	[M]
R147	D0GB101JA007	100 1/10W	[M]
R148	D0GB101JA007	100 1/10W	[M]
R149	D0GB101JA007	100 1/10W	[M]
R150	D0GB101JA007	100 1/10W	[M]
R151	D0GB101JA007	100 1/10W	[M]
R152	D0GB101JA007	100 1/10W	[M]
R153	D0GB101JA007	100 1/10W	[M]
R154	D0GB101JA007	100 1/10W	[M]
R155	D0GB101JA007	100 1/10W	[M]
R156	D0GB101JA007	100 1/10W	[M]
R157	D0GB101JA007	100 1/10W	[M]
R158	D0GB101JA007	100 1/10W	[M]
R159	D0GB101JA007	100 1/10W	[M]
R160	D0GB101JA007	100 1/10W	[M]
R161	D0GB101JA007	100 1/10W	[M]
R162	D0GB101JA007	100 1/10W	[M]
R163	D0GB101JA007	100 1/10W	[M]
R164	D0GB101JA007	100 1/10W	[M]
R165	D0GB101JA007	100 1/10W	[M]
R166	D0GB101JA007	100 1/10W	[M]
R167	D0GB101JA007	100 1/10W	[M]
R168	D0GB101JA007	100 1/10W	[M]
R169	D0GB101JA007	100 1/10W	[M]
R170	D0GB101JA007	100 1/10W	[M]
R171	D0GB101JA007	100 1/10W	[M]
R172	D0GB101JA007	100 1/10W	[M]
R173	D0GB101JA007	100 1/10W	[M]
R174	D0GB101JA007	100 1/10W	[M]
R175	D0GB101JA007	100 1/10W	[M]
R176	D0GB101JA007	100 1/10W	[M]
R177	D0GB101JA007	100 1/10W	[M]
R178	D0GB101JA007	100 1/10W	[M]
R179	D0GB101JA007	100 1/10W	[M]
R180	D0GB101JA007	100 1/10W	[M]
R181	D0GB101JA007	100 1/10W	[M]
R182	D0GB102JA008	1K 1/16W	[M]
R185	D0GB472JA008	4.7K 1/16W	[M]
R186	D0GB472JA008	4.7K 1/16W	[M]
R188	D0GB103JA007	10K 1/10W	[M]
R189	D0GBR00JA008	0 1/16W	[M]
R190	D0GB103JA007	10K 1/10W	[M]
R191	D0GB103JA007	10K 1/10W	[M]
R192	D0GB103JA007	10K 1/10W	[M]
R193	D0GB103JA007	10K 1/10W	[M]
R194	D0GB103JA007	10K 1/10W	[M]
R195	D0GB103JA007	10K 1/10W	[M]
R199	D0GB473JA008	47K 1/16W	[M]
R200	D0GB182JA008	1.8K 1/16W	[M]
R204	D0GB182JA008	1.8K 1/16W	[M]
R205	D0GB473JA008	47K 1/16W	[M]
R206	D0GB223JA008	22K 1/16W	[M]
R207	D0GB103JA007	10K 1/10W	[M]
R208	D0GB473JA008	47K 1/16W	[M]
R209	D0GB182JA008	1.8K 1/16W	[M]
R210	D0GB471JA008	470 1/16W	[M]
R211	D0GB183JA008	18K 1/16W	[M]
R212	D0GB223JA008	22K 1/16W	[M]
R213	D0GB182JA008	1.8K 1/16W	[M]
R214	D0GB473JA008	47K 1/16W	[M]
R216	D0GBR00JA008	0 1/16W	[M]
R217	D0GBR00JA008	0 1/16W	[M]
R218	D0GB223JA008	22K 1/16W	[M]
R219	D0GB104JA008	100K 1/16W	[M]
R220	D0GBR00JA008	0 1/16W	[M]
R221	D0GB103JA007	10K 1/10W	[M]
R222	D0GB103JA007	10K 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R223	D0GB153JA007	15K 1/10W	[M]
R224	D0GB153JA007	15K 1/10W	[M]
R225	D0GB104JA008	100K 1/16W	[M]
R226	D0GB104JA008	100K 1/16W	[M]
R227	D0GB224JA007	220K 1/10W	[M]
R228	D0GB224JA007	220K 1/10W	[M]
R229	D0GBR00JA008	0 1/16W	[M]
R230	D0GBR00JA008	0 1/16W	[M]
R231	D0GBR00JA008	0 1/16W	[M]
R232	D0GBR00JA008	0 1/16W	[M]
R233	D0GBR00JA008	0 1/16W	[M]
R235	D0GB332JA007	3.3K 1/10W	[M]
R236	D0GB332JA007	3.3K 1/10W	[M]
R237	D0GB332JA007	3.3K 1/10W	[M]
R238	D0GB332JA007	3.3K 1/10W	[M]
R500	D0GB682JA008	6.8K 1/16W	[M]
R501	D0GB682JA008	6.8K 1/16W	[M]
R502	D0GB102JA008	1K 1/16W	[M]
R503	D0GB102JA008	1K 1/16W	[M]
R504	D0GB682JA008	6.8K 1/16W	[M]
R505	D0GB682JA008	6.8K 1/16W	[M]
R506	D0GB472JA008	4.7K 1/16W	[M]
R508	D0GB682JA008	6.8K 1/16W	[M]
R509	D0GB682JA008	6.8K 1/16W	[M]
R510	D0GB472JA008	4.7K 1/16W	[M]
R512	D0GB682JA008	6.8K 1/16W	[M]
R513	D0GB682JA008	6.8K 1/16W	[M]
R514	D0GB153JA007	15K 1/10W	[M]
R515	D0GB472JA008	4.7K 1/16W	[M]
R516	D0GB153JA007	15K 1/10W	[M]
R517	D0GB182JA008	1.8K 1/16W	[M]
R518	D0GB822JA008	8.2K 1/16W	[M]
R519	D0GB102JA008	1K 1/16W	[M]
R520	D0GB102JA008	1K 1/16W	[M]
R523	D0GB223JA008	22K 1/16W	[M]
R524	D0GB103JA007	10K 1/10W	[M]
R525	D0GB471JA008	470 1/16W	[M]
R526	D0GB183JA008	18K 1/16W	[M]
R527	D0GB223JA008	22K 1/16W	[M]
R528	D0GB471JA008	470 1/16W	[M]
R529	D0GB471JA008	470 1/16W	[M]
R530	D0GB824JA008	820K 1/16W	[M]
R531	D0GB102JA008	1K 1/16W	[M]
R532	D0GB471JA008	470 1/16W	[M]
R533	D0GB824JA008	820K 1/16W	[M]
R534	D0GB682JA008	6.8K 1/16W	[M]
R535	D0GB392JA008	3.9K 1/16W	[M]
R536	D0GB221JA007	220 1/10W	[M]
R537	D0GB472JA008	4.7K 1/16W	[M]
R538	D0GB102JA008	1K 1/16W	[M]
R539	D0GB223JA008	22K 1/16W	[M]
R540	D0GB473JA008	47K 1/16W	[M]
R541	D0GB223JA008	22K 1/16W	[M]
R542	D0GB182JA008	1.8K 1/16W	[M]
R543	D0GB182JA008	1.8K 1/16W	[M]
R544	D0GB223JA008	22K 1/16W	[M]
R545	D0GB222JA008	2.2K 1/16W	[M]
R546	D0GB153JA007	15K 1/10W	[M]
R547	D0GB153JA007	15K 1/10W	[M]
R548	D0GB153JA007	15K 1/10W	[M]
R549	D0GB153JA007	15K 1/10W	[M]
R550	D0GB153JA007	15K 1/10W	[M]
R551	D0GB153JA007	15K 1/10W	[M]
R552	D0GB153JA007	15K 1/10W	[M]
R553	D0GB153JA007	15K 1/10W	[M]
R554	D0GB222JA008	2.2K 1/16W	[M]
R555	D0GB102JA008	1K 1/16W	[M]
R556	D0GB682JA008	6.8K 1/16W	[M]
R557	D0GB153JA007	15K 1/10W	[M]
R558	D0GB682JA008	6.8K 1/16W	[M]
R559	D0GB153JA007	15K 1/10W	[M]
R560	D0GB153JA007	15K 1/10W	[M]
R561	D0GB153JA007	15K 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R562	D0GB682JA008	6.8K 1/16W	[M]
R563	D0GB682JA008	6.8K 1/16W	[M]
R564	D0GB102JA008	1K 1/16W	[M]
R565	D0GB222JA008	2.2K 1/16W	[M]
R566	D0GB153JA007	15K 1/10W	[M]
R567	D0GB153JA007	15K 1/10W	[M]
R568	D0GB153JA007	15K 1/10W	[M]
R569	D0GB153JA007	15K 1/10W	[M]
R570	D0GB153JA007	15K 1/10W	[M]
R571	D0GB153JA007	15K 1/10W	[M]
R572	D0GB153JA007	15K 1/10W	[M]
R573	D0GB153JA007	15K 1/10W	[M]
R574	D0GB222JA008	2.2K 1/16W	[M]
R575	D0GB102JA008	1K 1/16W	[M]
R576	D0GB682JA008	6.8K 1/16W	[M]
R577	D0GB153JA007	15K 1/10W	[M]
R578	D0GB682JA008	6.8K 1/16W	[M]
R579	D0GB153JA007	15K 1/10W	[M]
R580	D0GB153JA007	15K 1/10W	[M]
R581	D0GB153JA007	15K 1/10W	[M]
R582	D0GB682JA008	6.8K 1/16W	[M]
R583	D0GB682JA008	6.8K 1/16W	[M]
R584	D0GB102JA008	1K 1/16W	[M]
R593	D0GBR00JA008	0 1/16W	[M]
R595	D0GBR00JA008	0 1/16W	[M]
R596	D0GBR00JA008	0 1/16W	[M]
R597	D0GBR00JA008	0 1/16W	[M]
R600	D0GB103JA007	10K 1/10W	[M]
R601	D0GB223JA008	22K 1/16W	[M]
R602	D0GB101JA007	100 1/10W	[M]
R603	D0GB103JA007	10K 1/10W	[M]
R604	D0GB103JA007	10K 1/10W	[M]
R605	D0GB823JA008	82K 1/16W	[M]
R606	D0GB823JA008	82K 1/16W	[M]
R607	ERJ6GEYJ820V	82 1/8W	[M]
R608	ERJ6GEYJ820V	82 1/8W	[M]
R609	D0GB102JA008	1K 1/16W	[M]
R610	D0GB102JA008	1K 1/16W	[M]
R611	D0GD680JA017	68 1/10W	[M]
R612	D0GD680JA017	68 1/10W	[M]
R613	D0GB102JA008	1K 1/16W	[M]
R614	D0GB102JA008	1K 1/16W	[M]
R615	D0GB103JA007	10K 1/10W	[M]
R617	D0GB103JA007	10K 1/10W	[M]
R618	D0GB103JA007	10K 1/10W	[M]
R619	D0GB152JA007	1.5K 1/10W	[M]
R620	D0GB152JA007	1.5K 1/10W	[M]
R621	D0GB182JA008	1.8K 1/16W	[M]
R622	D0GB822JA008	8.2K 1/16W	[M]
R623	D0GB182JA008	1.8K 1/16W	[M]
R624	D0GB823JA008	82K 1/16W	[M]
R625	D0GB821JA008	820 1/16W	[M]
R626	D0GB821JA008	820 1/16W	[M]
R627	D0GB182JA008	1.8K 1/16W	[M]
R628	D0GB823JA008	82K 1/16W	[M]
R629	D0GB823JA008	82K 1/16W	[M]
R630	D0GB182JA008	1.8K 1/16W	[M]
R631	D0GB821JA008	820 1/16W	[M]
R632	D0GB821JA008	820 1/16W	[M]
R633	D0GB182JA008	1.8K 1/16W	[M]
R634	D0GB823JA008	82K 1/16W	[M]
R635	D0GB223JA008	22K 1/16W	[M]
R636	D0GB103JA007	10K 1/10W	[M]
R637	D0GB822JA008	8.2K 1/16W	[M]
R638	D0GB182JA008	1.8K 1/16W	[M]
R639	D0GB152JA007	1.5K 1/10W	[M]
R640	D0GB471JA008	470 1/16W	[M]
R641	D0GB152JA007	1.5K 1/10W	[M]
R642	D0GB223JA008	22K 1/16W	[M]
R644	D0GB822JA008	8.2K 1/16W	[M]
R645	D0GB183JA008	18K 1/16W	[M]
R646	D0GB102JA008	1K 1/16W	[M]
R647	D0GB102JA008	1K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R648	D0GBR00JA008	0 1/16W	[M]
R649	D0GBR00JA008	0 1/16W	[M]
R801	D0GB101JA007	100 1/10W	[M]
R802	D0GB473JA008	47K 1/16W	[M]
R803	D0GB102JA008	1K 1/16W	[M]
R804	D0GBR00JA008	0 1/16W	[M]
R805	D0GBR00JA008	0 1/16W	[M]
R811	D0GB561JA008	560 1/16W	[M]
R812	D0GB561JA008	560 1/16W	[M]
R813	D0GB561JA008	560 1/16W	[M]
R814	D0GB561JA008	560 1/16W	[M]
R815	ERJ3GEYF750V	75 1/10W	[M]
R816	ERJ3GEYF750V	75 1/10W	[M]
R818	ERJ3GEYF750V	75 1/10W	[M]
R819	ERJ3GEYF750V	75 1/10W	[M]
R820	D0GB103JA007	10K 1/10W	[M]
R821	D0GB103JA007	10K 1/10W	[M]
R824	D0GB103JA007	10K 1/10W	[M]
R825	D0GB103JA007	10K 1/10W	[M]
R826	D0GB102JA008	1K 1/16W	[M]
R827	D0GB102JA008	1K 1/16W	[M]
R837	D0GB562JA008	5.6K 1/16W	[M]
R838	D0GB562JA008	5.6K 1/16W	[M]
R839	D0GB562JA008	5.6K 1/16W	[M]
R840	D0GB562JA008	5.6K 1/16W	[M]
R841	D0GBR00JA008	0 1/16W	[M]
R842	D0GBR00JA008	0 1/16W	[M]
R844	ERJ3GEYJ3R3V	3.3 1/10W	[M]
R1001	D0GB101JA007	100 1/10W	[M]
R1002	D0GB101JA007	100 1/10W	[M]
R1003	D0GB104JA008	100K 1/16W	[M]
R1004	D0GB104JA008	100K 1/16W	[M]
R1005	ERJ3GEYF753V	75K 1/10W	[M]
R1006	ERJ3GEYF753V	75K 1/10W	[M]
R1007	ERJ3GEYF513V	51K 1/10W	[M]
R1008	ERJ3GEYF513V	51K 1/10W	[M]
R1009	D0GB151JA007	150 1/10W	[M]
R1010	D0GB151JA007	150 1/10W	[M]
R1011	D0GBR00JA008	0 1/16W	[M]
R1012	D0GBR00JA008	0 1/16W	[M]
R1013	D0GB102JA008	1K 1/16W	[M]
R1101	ERJ3RED334V	330K 1/16W	[M]
R1102	ERJ3GEYJ564V	560K 1/10W	[M]
R1103	ERJ3RED224V	220K 1/16W	[M]
R1104	ERJ3GEYJ564V	560K 1/10W	[M]
R1105	D0GB104JA008	100K 1/16W	[M]
R1106	D0GB472JA008	4.7K 1/16W	[M]
R1107	D0GB473JA008	47K 1/16W	[M]
R1108	D0GB473JA008	47K 1/16W	[M]
R1109	D0GB472JA008	4.7K 1/16W	[M]
R1110	D0GB104JA008	100K 1/16W	[M]
R1111	D0GB750JA008	75 1/16W	[M]
R1112	D0GB101JA007	100 1/10W	[M]
R1113	D0GB101JA007	100 1/10W	[M]
R1114	ERJ3RBD153V	15K 1/16W	[M]
R1115	D0GB103JA007	10K 1/10W	[M]
R1116	ERJ3RBD153V	15K 1/16W	[M]
R1117	D0GB103JA007	10K 1/10W	[M]
R1118	D0GB103JA007	10K 1/10W	[M]
R1119	ERJ3RBD153V	15K 1/16W	[M]
R1120	D0GB103JA007	10K 1/10W	[M]
R1121	ERJ3RBD153V	15K 1/16W	[M]
R1122	D0GB332JA007	3.3K 1/10W	[M]
R1123	D0GB332JA007	3.3K 1/10W	[M]
R1124	D0GBR00JA008	0 1/16W	[M]
R1125	D0GBR00JA008	0 1/16W	[M]
R1126	D0GBR00JA008	0 1/16W	[M]
R1127	D0GBR00JA008	0 1/16W	[M]
R1128	D0GBR00JA008	0 1/16W	[M]
R1129	D0GBR00JA008	0 1/16W	[M]
R1136	ERJ3RBD1003V	100K 1/16W	[M]
R3001	D0GB220JA008	22 1/16W	[M]
R3002	D0GB220JA008	22 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R3003	D0GB220JA008	22 1/16W	[M]
R3004	D0GB220JA008	22 1/16W	[M]
R3005	D0GB220JA008	22 1/16W	[M]
R3006	D0GB220JA008	22 1/16W	[M]
R3007	D0GB220JA008	22 1/16W	[M]
R3008	D0GB220JA008	22 1/16W	[M]
R3009	D0GB220JA008	22 1/16W	[M]
R3010	D0GB220JA008	22 1/16W	[M]
R3011	D0GB220JA008	22 1/16W	[M]
R3012	D0GB220JA008	22 1/16W	[M]
R3013	D0GB220JA008	22 1/16W	[M]
R3014	D0GB220JA008	22 1/16W	[M]
R3015	D0GB220JA008	22 1/16W	[M]
R3016	D0GB220JA008	22 1/16W	[M]
R3017	D0GB220JA008	22 1/16W	[M]
R3018	D0GB220JA008	22 1/16W	[M]
R3019	D0GB220JA008	22 1/16W	[M]
R3020	D0GB220JA008	22 1/16W	[M]
R3021	D0GB220JA008	22 1/16W	[M]
R3022	D0GB220JA008	22 1/16W	[M]
R3023	D0GB472JA008	4.7K 1/16W	[M]
R3024	D0GB220JA008	22 1/16W	[M]
R3025	D0GB220JA008	22 1/16W	[M]
R3026	D0GB220JA008	22 1/16W	[M]
R3027	D0GB220JA008	22 1/16W	[M]
R3028	D0GB220JA008	22 1/16W	[M]
R3029	D0GB220JA008	22 1/16W	[M]
R3030	D0GB220JA008	22 1/16W	[M]
R3031	D0GB220JA008	22 1/16W	[M]
R3032	D0GB220JA008	22 1/16W	[M]
R3033	D0GB220JA008	22 1/16W	[M]
R3034	D0GB220JA008	22 1/16W	[M]
R3035	D0GB220JA008	22 1/16W	[M]
R3036	D0GB220JA008	22 1/16W	[M]
R3037	D0GB220JA008	22 1/16W	[M]
R3038	D0GB220JA008	22 1/16W	[M]
R3039	D0GB220JA008	22 1/16W	[M]
R3040	D0GB220JA008	22 1/16W	[M]
R3041	D0GB220JA008	22 1/16W	[M]
R3043	D0GB103JA007	10K 1/10W	[M]
R3044	D0GB103JA007	10K 1/10W	[M]
R3045	D0GB220JA008	22 1/16W	[M]
R3046	D0GB103JA007	10K 1/10W	[M]
R3047	D0GB220JA008	22 1/16W	[M]
R3048	D0GB220JA008	22 1/16W	[M]
R3049	D0GB220JA008	22 1/16W	[M]
R3052	D0GB220JA008	22 1/16W	[M]
R3053	D0GB220JA008	22 1/16W	[M]
R3054	D0GB220JA008	22 1/16W	[M]
R3055	D0GB220JA008	22 1/16W	[M]
R3056	D0GB220JA008	22 1/16W	[M]
R3057	D0GB330JA008	33 1/16W	[M]
R3058	D0GB330JA008	33 1/16W	[M]
R3059	D0GB220JA008	22 1/16W	[M]
R3060	D0GB220JA008	22 1/16W	[M]
R3061	D0GB330JA008	33 1/16W	[M]
R3066	D0GB220JA008	22 1/16W	[M]
R3067	D0GB220JA008	22 1/16W	[M]
R3068	D0GB220JA008	22 1/16W	[M]
R3069	D0GB220JA008	22 1/16W	[M]
R3070	D0GB330JA008	33 1/16W	[M]
R3071	D0GB330JA008	33 1/16W	[M]
R3072	D0GB330JA008	33 1/16W	[M]
R3073	D0GB220JA008	22 1/16W	[M]
R3074	D0GB220JA008	22 1/16W	[M]
R3075	D0GB220JA008	22 1/16W	[M]
R3076	D0GB220JA008	22 1/16W	[M]
R3077	D0GB220JA008	22 1/16W	[M]
R3078	D0GB220JA008	22 1/16W	[M]
R3079	D0GD1R0JA003	1.0 1/10W	[M]
R3080	D0GB220JA008	22 1/16W	[M]
R3081	D0GB220JA008	22 1/16W	[M]
R3082	D0GB220JA008	22 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R3083	D0GB220JA008	22 1/16W	[M]
R3084	D0GB220JA008	22 1/16W	[M]
R3085	D0GB220JA008	22 1/16W	[M]
R3086	D0GB220JA008	22 1/16W	[M]
R3087	D0GB220JA008	22 1/16W	[M]
R3088	D0GB220JA008	22 1/16W	[M]
R3089	D0GB220JA008	22 1/16W	[M]
R3090	D0GB220JA008	22 1/16W	[M]
R3091	D0GB221JA007	220 1/10W	[M]
R3092	D0GB221JA007	220 1/10W	[M]
R3093	D0GB221JA007	220 1/10W	[M]
R3094	D0GB221JA007	220 1/10W	[M]
R3101	D0GB220JA008	22 1/16W	[M]
R3102	D0GB220JA008	22 1/16W	[M]
R3103	D0GB220JA008	22 1/16W	[M]
R3104	D0GB220JA008	22 1/16W	[M]
R3105	D0GB220JA008	22 1/16W	[M]
R3106	D0GB220JA008	22 1/16W	[M]
R3107	D0GB220JA008	22 1/16W	[M]
R3108	D0GB220JA008	22 1/16W	[M]
R3109	D0GB220JA008	22 1/16W	[M]
R3110	D0GB220JA008	22 1/16W	[M]
R3111	D0GB220JA008	22 1/16W	[M]
R3112	D0GB220JA008	22 1/16W	[M]
R3113	D0GB220JA008	22 1/16W	[M]
R3114	D0GB220JA008	22 1/16W	[M]
R3115	D0GB220JA008	22 1/16W	[M]
R3116	D0GB220JA008	22 1/16W	[M]
R3117	D0GB220JA008	22 1/16W	[M]
R3118	D0GB220JA008	22 1/16W	[M]
R3119	D0GB220JA008	22 1/16W	[M]
R3120	D0GB220JA008	22 1/16W	[M]
R3121	D0GB220JA008	22 1/16W	[M]
R3122	D0GB220JA008	22 1/16W	[M]
R3123	D0GB472JA008	4.7K 1/16W	[M]
R3124	D0GB220JA008	22 1/16W	[M]
R3125	D0GB220JA008	22 1/16W	[M]
R3126	D0GB220JA008	22 1/16W	[M]
R3127	D0GB220JA008	22 1/16W	[M]
R3128	D0GB220JA008	22 1/16W	[M]
R3129	D0GB220JA008	22 1/16W	[M]
R3130	D0GB220JA008	22 1/16W	[M]
R3131	D0GB220JA008	22 1/16W	[M]
R3132	D0GB220JA008	22 1/16W	[M]
R3133	D0GB220JA008	22 1/16W	[M]
R3134	D0GB220JA008	22 1/16W	[M]
R3135	D0GB220JA008	22 1/16W	[M]
R3136	D0GB220JA008	22 1/16W	[M]
R3137	D0GB220JA008	22 1/16W	[M]
R3138	D0GB220JA008	22 1/16W	[M]
R3139	D0GB220JA008	22 1/16W	[M]
R3140	D0GB220JA008	22 1/16W	[M]
R3141	D0GB220JA008	22 1/16W	[M]
R3142	D0GB103JA007	10K 1/10W	[M]
R3143	D0GB220JA008	22 1/16W	[M]
R3144	D0GB103JA007	10K 1/10W	[M]
R3145	D0GB220JA008	22 1/16W	[M]
R3146	D0GB220JA008	22 1/16W	[M]
R3147	D0GB220JA008	22 1/16W	[M]
R3149	D0GB103JA007	10K 1/10W	[M]
R3150	D0GB220JA008	22 1/16W	[M]
R3151	D0GB220JA008	22 1/16W	[M]
R3152	D0GB220JA008	22 1/16W	[M]
R3153	D0GB220JA008	22 1/16W	[M]
R3154	D0GB220JA008	22 1/16W	[M]
R3155	D0GB330JA008	33 1/16W	[M]
R3156	D0GB330JA008	33 1/16W	[M]
R3157	D0GB220JA008	22 1/16W	[M]
R3158	D0GB220JA008	22 1/16W	[M]
R3159	D0GB220JA008	22 1/16W	[M]
R3160	D0GB220JA008	22 1/16W	[M]
R3162	D0GB220JA008	22 1/16W	[M]
R3163	D0GB330JA008	33 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R3164	D0GB220JA008	22 1/16W	[M]
R3165	D0GB330JA008	33 1/16W	[M]
R3166	D0GB330JA008	33 1/16W	[M]
R3167	D0GB330JA008	33 1/16W	[M]
R3168	D0GB220JA008	22 1/16W	[M]
R3169	D0GB220JA008	22 1/16W	[M]
R3170	D0GB220JA008	22 1/16W	[M]
R3171	D0GB220JA008	22 1/16W	[M]
R3172	D0GB220JA008	22 1/16W	[M]
R3173	D0GB220JA008	22 1/16W	[M]
R3174	D0GD1R0JA003	1 1/10W	[M]
R3175	D0GB220JA008	22 1/16W	[M]
R3176	D0GB220JA008	22 1/16W	[M]
R3177	D0GB220JA008	22 1/16W	[M]
R3178	D0GB220JA008	22 1/16W	[M]
R3179	D0GB220JA008	22 1/16W	[M]
R3180	D0GB220JA008	22 1/16W	[M]
R3181	D0GB220JA008	22 1/16W	[M]
R3182	D0GB220JA008	22 1/16W	[M]
R3183	D0GB220JA008	22 1/16W	[M]
R3184	D0GB220JA008	22 1/16W	[M]
R3185	D0GB221JA007	220 1/10W	[M]
R3186	D0GB221JA007	220 1/10W	[M]
R3187	D0GB221JA007	220 1/10W	[M]
R3188	D0GB221JA007	220 1/10W	[M]
R3189	D0GB221JA007	220 1/10W	[M]
R3190	D0GB330JA008	33 1/16W	[M]
R3191	D0GB330JA008	33 1/16W	[M]
R3192	D0GB103JA007	10K 1/10W	[M]
R3193	D0GB103JA007	10K 1/10W	[M]
R3199	D0GB103JA007	10K 1/10W	[M]
R3201	D0GB101JA007	100 1/10W	[M]
R3205	D0GB101JA007	100 1/10W	[M]
R3209	D0GB103JA007	10K 1/10W	[M]
R3213	D0GB330JA008	33 1/16W	[M]
R3217	D0GD100JA017	10 1/10W	[M]
R3218	D0GD100JA017	10 1/10W	[M]
R3357	D0GB103JA007	10K 1/10W	[M]
R3358	D0GB103JA007	10K 1/10W	[M]
R3401	D0GB101JA007	100 1/10W	[M]
R3402	D0GB105JA008	1M 1/16W	[M]
R3403	D0GB105JA008	1M 1/16W	[M]
R3404	D0GB821JA008	820 1/16W	[M]
R3405	D0GB681JA008	680 1/16W	[M]
R3406	D0GB330JA008	33 1/16W	[M]
R3407	D0GB330JA008	33 1/16W	[M]
R3408	D0GB330JA008	33 1/16W	[M]
R3409	D0GB330JA008	33 1/16W	[M]
R3410	D0GB183JA008	18K 1/16W	[M]
R3411	D0GB470JA008	47 1/16W	[M]
R3412	D0GB471JA008	470 1/16W	[M]
R3413	D0GB471JA008	470 1/16W	[M]
R3414	D0GB470JA008	47 1/16W	[M]
R3415	D0GB471JA008	470 1/16W	[M]
R3416	D0GB471JA008	470 1/16W	[M]
R3417	D0GB330JA008	33 1/16W	[M]
R3418	D0GB330JA008	33 1/16W	[M]
R3419	D0GB330JA008	33 1/16W	[M]
R3420	D0GB330JA008	33 1/16W	[M]
R3421	D0GB103JA007	10K 1/10W	[M]
R3422	D0GB330JA008	33 1/16W	[M]
R3423	D0GB330JA008	33 1/16W	[M]
R3424	D0GB330JA008	33 1/16W	[M]
R3425	D0GB330JA008	33 1/16W	[M]
R3426	D0GB330JA008	33 1/16W	[M]
R3427	D0GB330JA008	33 1/16W	[M]
R3501	ERJ6GEYJ4R7V	4.7 1/8W	[M]
R3502	D0GB221JA007	220 1/10W	[M]
R3503	D0GB221JA007	220 1/10W	[M]
R3504	D0GB221JA007	220 1/10W	[M]
R3505	D0GB221JA007	220 1/10W	[M]
R3506	D0GB221JA007	220 1/10W	[M]
R3507	D0GD100JA017	10 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R3508	D0GB221JA007	220 1/10W	[M]
R3509	D0GB103JA007	10K 1/10W	[M]
R3510	D0GB221JA007	220 1/10W	[M]
R3511	D0GB103JA007	10K 1/10W	[M]
R3512	D0GB221JA007	220 1/10W	[M]
R3551	D0GB472JA008	4.7K 1/16W	[M]
R3552	D0GB472JA008	4.7K 1/16W	[M]
R3553	D0GB472JA008	4.7K 1/16W	[M]
R3554	D0GB472JA008	4.7K 1/16W	[M]
R3555	D0GB472JA008	4.7K 1/16W	[M]
R3556	D0GB330JA008	33 1/16W	[M]
R3557	D0GB330JA008	33 1/16W	[M]
R3558	D0GB330JA008	33 1/16W	[M]
R3559	D0GB330JA008	33 1/16W	[M]
R3560	D0GB330JA008	33 1/16W	[M]
R3561	D0GB330JA008	33 1/16W	[M]
R3601	D0GB102JA008	1K 1/16W	[M]
R3602	D0GB223JA008	22K 1/16W	[M]
R3603	D1BFR047A010	0.047 1/2W	[M]
R3604	ERJ3RBD471V	470 1/16W	[M]
R3605	ERJ3RBD272V	2.7K 1/16W	[M]
R3606	ERJ3RBD562V	5.6K 1/16W	[M]
R3607	D0GB561JA008	560 1/16W	[M]
R3608	D0GB102JA008	1K 1/16W	[M]
R3701	D0GBR00JA008	0 1/16W	[M]
R3702	D0GB221JA007	220 1/10W	[M]
R3703	D0GB221JA007	220 1/10W	[M]
R3704	D0GB221JA007	220 1/10W	[M]
R3705	D0GB221JA007	220 1/10W	[M]
R3706	D0GB221JA007	220 1/10W	[M]
R3707	D0GB221JA007	220 1/10W	[M]
R3708	D0GB221JA007	220 1/10W	[M]
R3709	D0GB221JA007	220 1/10W	[M]
R3714	D0GB101JA007	100 1/10W	[M]
R3715	D0GB101JA007	100 1/10W	[M]
R3716	D0GB101JA007	100 1/10W	[M]
R3717	D0GB101JA007	100 1/10W	[M]
R3718	D0GB101JA007	100 1/10W	[M]
R3719	D0GB101JA007	100 1/10W	[M]
R3720	D0GB101JA007	100 1/10W	[M]
R3721	D0GB101JA007	100 1/10W	[M]
R3722	D0GB101JA007	100 1/10W	[M]
R3723	D0GB101JA007	100 1/10W	[M]
R3724	D0GB101JA007	100 1/10W	[M]
R3736	D0GB221JA007	220 1/10W	[M]
R3737	D0GB221JA007	220 1/10W	[M]
R3738	D0GB221JA007	220 1/10W	[M]
R3739	D0GB221JA007	220 1/10W	[M]
R3740	D0GB221JA007	220 1/10W	[M]
R3741	D0GB221JA007	220 1/10W	[M]
R3742	D0GB221JA007	220 1/10W	[M]
R3743	D0GB221JA007	220 1/10W	[M]
R3744	D0GB221JA007	220 1/10W	[M]
R3745	D0GB221JA007	220 1/10W	[M]
R3746	D0GB221JA007	220 1/10W	[M]
R3747	D0GB221JA007	220 1/10W	[M]
R3748	D0GB221JA007	220 1/10W	[M]
R3749	D0GB221JA007	220 1/10W	[M]
R3750	D0GB221JA007	220 1/10W	[M]
R3751	D0GB221JA007	220 1/10W	[M]
R3752	D0GB221JA007	220 1/10W	[M]
R3753	D0GB221JA007	220 1/10W	[M]
R3754	D0GB221JA007	220 1/10W	[M]
R3755	D0GB221JA007	220 1/10W	[M]
R3901	D0GBR00JA008	0 1/16W	[M]
R5000	D0GB562JA008	5.6K 1/16W	[M]
R5001	D0GB562JA008	5.6K 1/16W	[M]
R5002	D0GB562JA008	5.6K 1/16W	[M]
R5003	D0GB562JA008	5.6K 1/16W	[M]
R5004	D0GF100JA014	10 1/8W	[M]
R5005	D0GF100JA014	10 1/8W	[M]
R5006	D0GZ220JA012	22 1W	[M]
R5007	D0GZ220JA012	22 1W	[M]
R5008	D0GB101JA007	100 1/10W	[M]
R5010	D0GF100JA014	10 1/8W	[M]
R5011	D0GF100JA014	10 1/8W	[M]
R5018	D0GB683JA008	68K 1/16W	[M]
R5019	D0GB683JA008	68K 1/16W	[M]
R5020	D0GB124JA008	120K 1/16W	[M]
R5021	D0GB122JA007	1.2K 1/10W	[M]
R5022	D0GB122JA007	1.2K 1/10W	[M]
R5023	D0GB122JA007	1.2K 1/10W	[M]
R5030	D0GB562JA008	5.6K 1/16W	[M]
R5031	D0GB562JA008	5.6K 1/16W	[M]
R5032	D0GB562JA008	5.6K 1/16W	[M]
R5033	D0GB562JA008	5.6K 1/16W	[M]
R5034	D0GB562JA008	5.6K 1/16W	[M]
R5035	D0GB562JA008	5.6K 1/16W	[M]
R5036	D0GB562JA008	5.6K 1/16W	[M]
R5037	D0GB562JA008	5.6K 1/16W	[M]
R5103	D0GB562JA008	5.6K 1/16W	[M]
R5104	D0GB562JA008	5.6K 1/16W	[M]
R5110	D0GB223JA008	22K 1/16W	[M]
R5113	D0GB124JA008	120K 1/16W	[M]
R5118	D0GB562JA008	5.6K 1/16W	[M]
R5119	D0GB562JA008	5.6K 1/16W	[M]
R5200	D0GF100JA014	10 1/8W	[M]
R5201	D0GF100JA014	10 1/8W	[M]
R5204	D0GB101JA007	100 1/10W	[M]
R5205	D0GB562JA008	5.6K 1/16W	[M]
R5206	D0GB562JA008	5.6K 1/16W	[M]
R5207	D0GB562JA008	5.6K 1/16W	[M]
R5208	D0GB562JA008	5.6K 1/16W	[M]
R5209	D0GZ220JA012	22 1W	[M]
R5210	D0GF100JA014	10 1/8W	[M]
R5211	D0GF100JA014	10 1/8W	[M]
R5217	D0GZ220JA012	22 1W	[M]
R5218	D0GB683JA008	68K 1/16W	[M]
R5228	D0GB124JA008	120K 1/16W	[M]
R5300	D0GZ220JA012	22 1W	[M]
R5302	D0GF100JA014	10 1/8W	[M]
R5304	D0GB101JA007	100 1/10W	[M]
R5305	D0GF100JA014	10 1/8W	[M]
R5306	D0GB562JA008	5.6K 1/16W	[M]
R5307	D0GB562JA008	5.6K 1/16W	[M]
R5308	D0GB562JA008	5.6K 1/16W	[M]
R5309	D0GB562JA008	5.6K 1/16W	[M]
R5310	D0GF100JA014	10 1/8W	[M]
R5311	D0GF100JA014	10 1/8W	[M]
R5317	D0GB122JA007	1.2K 1/10W	[M]
R5318	D0GB124JA008	120K 1/16W	[M]
R5319	D0GZ220JA012	22 1W	[M]
R5327	D0GB122JA007	1.2K 1/10W	[M]
R5328	D0GB683JA008	68K 1/16W	[M]
R5400	D0GZ220JA012	22 1W	[M]
R5402	D0GF100JA014	10 1/8W	[M]
R5404	D0GB101JA007	100 1/10W	[M]
R5405	D0GF100JA014	10 1/8W	[M]
R5410	D0GF100JA014	10 1/8W	[M]
R5411	D0GF100JA014	10 1/8W	[M]
R5419	D0GZ220JA012	22 1W	[M]
R5504	D0GB220JA008	22 1/16W	[M]
R5505	D0GB101JA007	100 1/10W	[M]
R5506	D0GB105JA008	1M 1/16W	[M]
R5507	D0GB105JA008	1M 1/16W	[M]
R5508	D0GB105JA008	1M 1/16W	[M]
R5510	ERG2SJ471E	470 2W	[M]
R5602	D0GB103JA007	10K 1/10W	[M]
R5603	D0GB103JA007	10K 1/10W	[M]
R5604	D0GB472JA008	4.7K 1/16W	[M]
R5606	D0GB103JA007	10K 1/10W	[M]
R5607	D0GB472JA008	4.7K 1/16W	[M]
R5608	D0GB103JA007	10K 1/10W	[M]
R5609	D0GB103JA007	10K 1/10W	[M]
R5610	D0GB472JA008	4.7K 1/16W	[M]
R5611	D0GB472JA008	4.7K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R5636	D0AF392JA039	3.9K 1/2W	[M]
R5637	D0GB100JA007	10 1/10W	[M]
R5639	D0GB332JA007	3.3K 1/10W	[M]
R5640	D0GBR00JA008	0 1/16W	[M]
R5654	D0GB563JA008	56K 1/16W	[M]
R5655	D0GB103JA007	10K 1/10W	[M]
R5656	D0GB103JA007	10K 1/10W	[M]
R5657	D0GB103JA007	10K 1/10W	[M]
R5658	ERJ3GEYJ185V	1.8M 1/10W	[M]
R5659	D0GB104JA008	100K 1/16W	[M]
R5660	D0GB103JA007	10K 1/10W	[M]
R5670	D0GBR00JA008	0 1/16W	[M]
R5701	ERDS1TJ475B	4.7M 1/2W	[M]
R5702	ERJ1TYJ333U	33K 1W	[M]
R5703	ERJ1TYJ333U	33K 1W	[M]
R5704	D0GF394JA017	390K 1/8W	[M]
R5705	D0GF394JA017	390K 1/8W	[M]
R5720	D0GD220JA017	22 1/10W	[M]
R5721	D0GD103JA017	10K 1/10W	[M]
R5722	D0GD122JA017	1.2K 1/10W	[M]
R5723	D0GB102JA008	1K 1/16W	[M]
R5724	D0GD121JA017	120 1/10W	[M]
R5725	D0GBR00JA008	0 1/16W	[M]
R5726	ERX2SZJR10P	0.1 2W	[M]
R5727	ERX2SZJR10P	0.1 2W	[M]
R5728	D0GB104JA008	100K 1/16W	[M]
R5729	D0GD103JA017	10K 1/10W	[M]
R5730	D0GB102JA008	1K 1/16W	[M]
R5731	D0GBR00JA008	0 1/16W	[M]
R5732	D0GB101JA007	100 1/10W	[M]
R5733	D0GB473JA008	47K 1/16W	[M]
R5750	D0GBR00JA008	0 1/16W	[M]
R5786	ERJ1TYJ204U	200K 1W	[M]
R5787	D0GB753JA007	75K 1/10W	[M]
R5795	ERJ6GEYJ433V	43K 1/8W	[M]
R5796	ERDS1FVJ222T	2.2K 1/2W	[M]
R5797	D0GD472JA017	4.7K 1/10W	[M]
R5798	D0GD100JA017	10 1/10W	[M]
R5800	ERJ6GEYJ123V	12K 1/8W	[M]
R5801	D0GD103JA017	10K 1/10W	[M]
R5802	ERJ3RBD272V	2.7K 1/16W	[M]
R5803	D0GDR00JA017	0 1/10W	[M]
R5804	ERJ6RBD473V	47K 1/10W	[M]
R5805	ERJ3RBD222V	2.2K 1/16W	[M]
R5806	D0GB153JA007	15K 1/10W	[M]
R5807	ERJ6GEYJ331V	330 1/8W	[M]
R5808	D0GD222JA017	2.2K 1/10W	[M]
R5809	ERJ6GEYJ331V	330 1/8W	[M]
R5810	D0GB331JA008	330 1/16W	[M]
R5811	ERJ8GEYJ152V	1.5K 1/4W	[M]
R5812	D0HB822ZA002	8.2K 1/16W	[M]
R5813	ERJ3RBD243V	24K 1/16W	[M]
R5814	D0GB822JA008	8.2K 1/16W	[M]
R5815	D0GB272JA008	2.7K 1/16W	[M]
R5816	ERJ8GEYJ152V	1.5K 1/4W	[M]
R5817	D0GB331JA008	330 1/16W	[M]
R5820	ERG2SJ910E	91 2W	[M]
R5821	ERG2SJ910E	91 2W	[M]
R5822	ERG2SJ910E	91 2W	[M]
R5823	ERG2SJ910E	91 2W	[M]
R5824	ERG2SJ910E	91 2W	[M]
R5825	D0GB102JA008	1K 1/16W	[M]
R5832	ERJ1TYJ222U	2.2K 1W	[M]
R5834	ERJ1TYJ222U	2.2K 1W	[M]
R5860	ERJ3GEYF103V	10K 1/10W	[M]
R5861	ERJ3GEYF392V	3.9K 1/10W	[M]
R5862	D0GD103JA017	10K 1/10W	[M]
R5863	D0GD103JA017	10K 1/10W	[M]
R5864	ERJ6GEYF103V	10K 1/8W	[M]
R5890	D0GB222JA008	2.2K 1/16W	[M]
R5891	ERJ3RBD333V	33K 1/16W	[M]
R5892	ERJ3RBD272V	2.7K 1/16W	[M]
R5893	ERJ3RBD393V	39K 1/16W	[M]
R5894	D0GB102JA008	1K 1/16W	[M]
R5895	D0GB102JA008	1K 1/16W	[M]
R5896	D0GB104JA008	100K 1/16W	[M]
R5897	D0GB101JA007	100 1/10W	[M]
R5898	D0GB824JA008	820K 1/16W	[M]
R6001	D0GB223JA008	22K 1/16W	[M]
R6002	D0GB223JA008	22K 1/16W	[M]
R6003	ERJ8GEYJ561V	560 1/4W	[M]
R6004	D0GB102JA008	1K 1/16W	[M]
R6005	D0GB470JA008	47 1/16W	[M]
R6006	D0GB101JA007	100 1/10W	[M]
R6007	D0GB1R5JA040	1.5 1/10W	[M]
R6008	D0GB1R5JA040	1.5 1/10W	[M]
R6009	D0GBR00JA008	0 1/16W	[M]
R6010	D0GB680JA007	68 1/10W	[M]
R6011	D0GB680JA007	68 1/10W	[M]
R6012	D0GB102JA008	1K 1/16W	[M]
R6014	D0GB104JA008	100K 1/16W	[M]
R6015	D0GB563JA008	56K 1/16W	[M]
R6016	D0GB122JA007	1.2K 1/10W	[M]
R6017	D0GB152JA007	1.5K 1/10W	[M]
R6018	D0GB222JA008	2.2K 1/16W	[M]
R6019	D0GB332JA007	3.3K 1/10W	[M]
R6020	D0GB472JA008	4.7K 1/16W	[M]
R6021	ERJ8GEYJ681V	680 1/4W	[M]
R6022	ERJ8GEYJ681V	680 1/4W	[M]
R6023	D0GB102JA008	1K 1/16W	[M]
R6024	D0GB102JA008	1K 1/16W	[M]
R6101	D0GB102JA008	1K 1/16W	[M]
R6102	D0GB122JA007	1.2K 1/10W	[M]
R6103	D0GB102JA008	1K 1/16W	[M]
R6201	D0GB2R2JA007	2.2 1/10W	[M]
R6202	D0GB2R2JA007	2.2 1/10W	[M]
R6203	D0GB2R2JA007	2.2 1/10W	[M]
R6204	D0GB123JA007	12K 1/10W	[M]
R6205	D0GB123JA007	12K 1/10W	[M]
R6206	D0GB123JA007	12K 1/10W	[M]
R6207	D0GB123JA007	12K 1/10W	[M]
R6208	D0GB123JA007	12K 1/10W	[M]
R6209	D0GB2R2JA007	2.2 1/10W	[M]
R6210	D0GB2R2JA007	2.2 1/10W	[M]
R6211	D0GB223JA008	22K 1/16W	[M]
R6212	D0GB223JA008	22K 1/16W	[M]
R6213	D0GB101JA007	100 1/10W	[M]
R7000	D0GB1R5JA040	1.5 1/10W	[M]
R7002	D0GB1R5JA040	1.5 1/10W	[M]
R7003	D0GB102JA008	1K 1/16W	[M]
R7004	D0GB272JA008	2.7K 1/16W	[M]
R7005	D0GB562JA008	5.6K 1/16W	[M]
R7006	D0GB470JA008	47 1/16W	[M]
R7007	D0GD392JA017	3.9K 1/10W	[M]
R7008	ERJ3RBD1002V	10K 1/16W	[M]
R7009	D0GB272JA008	2.7K 1/16W	[M]
R7010	D0GB471JA008	470 1/16W	[M]
R7011	D0GD472JA017	4.7K 1/10W	[M]
R7012	D0GB272JA008	2.7K 1/16W	[M]
R7013	D0GB473JA008	47K 1/16W	[M]
R7014	D0GB103JA007	10K 1/10W	[M]
R7015	D0GB103JA007	10K 1/10W	[M]
R7016	D0GB122JA007	1.2K 1/10W	[M]
R7017	D0GB122JA007	1.2K 1/10W	[M]
R7018	D0GB332JA007	3.3K 1/10W	[M]
R7019	ERJ6BWJR012V	0.012 1/4W	[M]
R7020	D0GB332JA007	3.3K 1/10W	[M]
R7021	ERJ3RBD3902V	39K 1/16W	[M]
R7022	ERJ6BWJR015V	0.015 1/4W	[M]
R7023	D0GB392JA008	3.9K 1/16W	[M]
R7024	ERJ3RBD5601V	5.6K 1/16W	[M]
R7025	ERJ3RBD5602V	5.6K 1/16W	[M]
R7026	D0GB332JA007	3.3K 1/10W	[M]
R7027	D0GB103JA007	10K 1/10W	[M]
R7028	D0GB393JA008	39K 1/16W	[M]
R7029	ERJ3RBD3301V	3.3K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R7030	ERJ3RBD2701V	2.7K 1/16W	[M]
R7031	D0GB393JA008	39K 1/16W	[M]
R7032	D0GB273JA007	27K 1/10W	[M]
R7033	D0GB393JA008	39K 1/16W	[M]
R7034	D0GB103JA007	10K 1/10W	[M]
R51001	D0GA103JA023	10K 1/16W	[M]
R51002	ERJ2GEJ181X	180 1/16W	[M]
R51003	ERJ2GEJ181X	180 1/16W	[M]
R51006	ERJ2GE0R00X	0 1/16W	[M]
R51008	D0GA152JA023	1.5K 1/16W	[M]
R51009	ERJ2GEJ272X	2.7K 1/16W	[M]
R51013	ERJ2GEJ682X	6.8K 1/16W	[M]
R51014	ERJ2GEJ682X	6.8K 1/16W	[M]
R51018	D0GA470JA023	47 1/16W	[M]
R51019	ERJ2GEJ513X	51K 1/16W	[M]
R51023	ERJ2GEJ391X	390 1/16W	[M]
R51031	D0GA470JA023	47 1/16W	[M]
R51033	D0GA470JA023	47 1/16W	[M]
R51038	D0GA470JA023	47 1/16W	[M]
R51039	D0GA470JA023	47 1/16W	[M]
R51045	D0GA101JA023	100 1/16W	[M]
R51046	D0GA101JA023	100 1/16W	[M]
R51050	D0GA103JA023	10K 1/16W	[M]
R51053	D0GA470JA023	47 1/16W	[M]
R51054	D0GA470JA023	47 1/16W	[M]
R51303	D0GA103JA023	10K 1/16W	[M]
R51305	D0GA560JA023	56 1/16W	[M]
R51306	ERJ2GE0R00X	0 1/16W	[M]
R51307	D0GA103JA023	10K 1/16W	[M]
R51310	D0GA103JA023	10K 1/16W	[M]
R51312	D0GA222JA023	2.2K 1/16W	[M]
R51313	D0GA222JA023	2.2K 1/16W	[M]
R51314	D0GA560JA023	56 1/16W	[M]
R51316	D0GA472JA023	4.7K 1/16W	[M]
R51317	D0GA472JA023	4.7K 1/16W	[M]
R51318	D0GA472JA023	4.7K 1/16W	[M]
R51601	D0GA470JA023	47 1/16W	[M]
R51602	D0GA560JA023	56 1/16W	[M]
R51604	D0GA470JA023	47 1/16W	[M]
R51605	ERJ2GE0R00X	0 1/16W	[M]
R51606	ERJ2GE0R00X	0 1/16W	[M]
R51608	D0GA103JA023	10K 1/16W	[M]
R51609	D0GA103JA023	10K 1/16W	[M]
R51610	D0GA103JA023	10K 1/16W	[M]
R51613	D0GA103JA023	10K 1/16W	[M]
R51616	D0GA560JA023	56 1/16W	[M]
R51617	D0GA560JA023	56 1/16W	[M]
R51618	D0GA560JA023	56 1/16W	[M]
R51619	D0GA470JA023	47 1/16W	[M]
R51620	D0GA470JA023	47 1/16W	[M]
R51625	D0GA470JA023	47 1/16W	[M]
R51626	D0GA470JA023	47 1/16W	[M]
R51628	D0GA103JA023	10K 1/16W	[M]
R51632	D0GA560JA023	56 1/16W	[M]
R51634	D0GA473JA023	47K 1/16W	[M]
R51638	D0GA103JA023	10K 1/16W	[M]
R51640	D0GA103JA023	10K 1/16W	[M]
R51651	D0GA103JA023	10K 1/16W	[M]
R51652	D0GA330JA023	33 1/16W	[M]
R51653	D0GA330JA023	33 1/16W	[M]
R51654	D0GA330JA023	33 1/16W	[M]
R51655	D0GA820JA023	82 1/16W	[M]
R51656	D0GA820JA023	82 1/16W	[M]
R51657	D0GA472JA023	4.7K 1/16W	[M]
R51658	D0GA820JA023	82 1/16W	[M]
R51659	ERJ2GE0R00X	0 1/16W	[M]
R51660	ERJ2GEJ562X	5.6K 1/16W	[M]
R51672	D0GA102JA023	1K 1/16W	[M]
R51673	D0GA333JA023	33K 1/16W	[M]
R51674	D0GA333JA023	33K 1/16W	[M]
R51675	ERJ2GE0R00X	0 1/16W	[M]
R51676	D0GA220JA023	22 1/16W	[M]
R51690	D0GA560JA023	56 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R51691	D0GA560JA023	56 1/16W	[M]
R51692	D0GA103JA023	10K 1/16W	[M]
R52001	ERJ2GEJ100X	10 1/16W	[M]
R52002	ERJ2GEJ100X	10 1/16W	[M]
R52003	ERJ2RKD750X	75 1/16W	[M]
R52004	ERJ2GEJ301X	300 1/16W	[M]
R52005	ERJ2RKD750X	75 1/16W	[M]
R52006	ERJ2RKD750X	75 1/16W	[M]
R52007	D0GA101JA023	100 1/16W	[M]
R52008	D0GA103JA023	10K 1/16W	[M]
R52009	D0GA103JA023	10K 1/16W	[M]
R52011	ERJ2GEJ201X	200 1/16W	[M]
R52012	ERJ2GEJ201X	200 1/16W	[M]
R52016	ERJ2GEJ201X	200 1/16W	[M]
R52018	D0HA271ZA001	270 1/16W	[M]
R52019	D0HA271ZA001	270 1/16W	[M]
R52027	ERJ2GEJ201X	200 1/16W	[M]
R52028	ERJ2GEJ151X	150 1/16W	[M]
R52044	D0GA101JA023	100 1/16W	[M]
R52045	D0HA271ZA001	270 1/16W	[M]
R52046	D0HA271ZA001	270 1/16W	[M]
R52116	D0GA560JA023	56 1/16W	[M]
R52117	D0GA560JA023	56 1/16W	[M]
R52118	D0GA330JA023	33 1/16W	[M]
R52201	ERJ2GEJ100X	10 1/16W	[M]
R52202	ERJ2GEJ100X	10 1/16W	[M]
R52203	ERJ2GEJ151X	150 1/16W	[M]
R52204	D0GA101JA023	100 1/16W	[M]
R52205	D0GA103JA023	10K 1/16W	[M]
R52208	D0GA101JA023	100 1/16W	[M]
R52209	D0GA820JA023	82 1/16W	[M]
R52210	D0GA820JA023	82 1/16W	[M]
R52211	D0GA470JA023	47 1/16W	[M]
R52214	D0GA103JA023	10K 1/16W	[M]
R52221	ERJ2GEJ301X	300 1/16W	[M]
R52222	D0HA271ZA001	270 1/16W	[M]
R52223	D0HA271ZA001	270 1/16W	[M]
R52226	ERJ2GEJ301X	300 1/16W	[M]
R52227	D0HA271ZA001	270 1/16W	[M]
R52228	D0HA271ZA001	270 1/16W	[M]
R54008	D0GA470JA023	47 1/16W	[M]
R54010	D0GA470JA023	47 1/16W	[M]
R54011	D0GA101JA023	100 1/16W	[M]
R54013	D0GA101JA023	100 1/16W	[M]
R54017	D0GDR00JA017	0 1/10W	[M]
R54018	D0GDR00JA017	0 1/10W	[M]
R54019	D0GDR00JA017	0 1/10W	[M]
R54022	D0GA333JA023	33K 1/16W	[M]
R54023	D0GDR00JA017	0 1/10W	[M]
R54027	D0GA333JA023	33K 1/16W	[M]
R54029	D0GA103JA023	10K 1/16W	[M]
R54031	D0GA103JA023	10K 1/16W	[M]
R54034	D0GA333JA023	33K 1/16W	[M]
R54036	D0GA333JA023	33K 1/16W	[M]
R54048	D0GA333JA023	33K 1/16W	[M]
R54049	D0GA333JA023	33K 1/16W	[M]
R54051	D0GA333JA023	33K 1/16W	[M]
R54067	D0GB223JA008	22K 1/16W	[M]
R54101	ERJ2GE0R00X	0 1/16W	[M]
R54106	D0GA470JA023	47 1/16W	[M]
R54107	D0GA470JA023	47 1/16W	[M]
R54114	D0GA470JA023	47 1/16W	[M]
R54115	D0GA470JA023	47 1/16W	[M]
R54116	D0GA470JA023	47 1/16W	[M]
R54137	D0GA470JA023	47 1/16W	[M]
R54138	D0GA470JA023	47 1/16W	[M]
R54139	D0GA101JA023	100 1/16W	[M]
R54140	D0GA101JA023	100 1/16W	[M]
R54141	D0GA101JA023	100 1/16W	[M]
R54142	D0GA101JA023	100 1/16W	[M]
R54143	D0GA101JA023	100 1/16W	[M]
R54144	D0GA470JA023	47 1/16W	[M]
R54155	D0GA470JA023	47 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R54156	D0GB393JA008	39K 1/16W	[M]
R55035	D0GA333JA023	33K 1/16W	[M]
R55100	ERJ2RHD123X	12K 1/16W	[M]
R55101	ERJ2RHD243X	24K 1/16W	[M]
R55102	ERJ2RHD103X	10K 1/16W	[M]
R55103	ERJ2RKD680X	68 1/16W	[M]
R55104	ERJ2RKD120X	12 1/16W	[M]
R55106	D0GA330JA023	33 1/16W	[M]
R55107	D0GB681JA008	680 1/16W	[M]
R55108	ERJ2RKD680X	68 1/16W	[M]
R55109	ERJ2RKD120X	12 1/16W	[M]
R55111	D0GA330JA023	33 1/16W	[M]
R55112	D0GB681JA008	680 1/16W	[M]
R55113	ERJ2RKD680X	68 1/16W	[M]
R55114	ERJ2RKD120X	12 1/16W	[M]
R55116	D0GA330JA023	33 1/16W	[M]
R55117	D0GB681JA008	680 1/16W	[M]
R55118	ERJ2RKD680X	68 1/16W	[M]
R55119	ERJ2RKD150X	15 1/16W	[M]
R55121	D0GA330JA023	33 1/16W	[M]
R55122	D0GB681JA008	680 1/16W	[M]
R55123	ERJ2RKD680X	68 1/16W	[M]
R55124	ERJ2RKD120X	12 1/16W	[M]
R55126	D0GA330JA023	33 1/16W	[M]
R55127	D0GB681JA008	680 1/16W	[M]
R55128	ERJ2GE0R00X	0 1/16W	[M]
R55129	ERJ2GE0R00X	0 1/16W	[M]
R55130	ERJ2GE0R00X	0 1/16W	[M]
R55131	ERJ2GE0R00X	0 1/16W	[M]
R55132	ERJ2GE0R00X	0 1/16W	[M]
R56005	D0GA470JA023	47 1/16W	[M]
R56006	D0GA330JA023	33 1/16W	[M]
R56007	D0GA330JA023	33 1/16W	[M]
R56010	D0GBR00JA008	0 1/16W	[M]
R56012	D0GA103JA023	10K 1/16W	[M]
R56013	ERJ2GE0R00X	0 1/16W	[M]
R56014	D0GA330JA023	33 1/16W	[M]
R56015	D0GA103JA023	10K 1/16W	[M]
R56017	ERJ2GEJ751X	750 1/16W	[M]
R56018	D0GA103JA023	10K 1/16W	[M]
R56019	D0GA101JA023	100 1/16W	[M]
R56020	D0GA101JA023	100 1/16W	[M]
R56021	D0GA103JA023	10K 1/16W	[M]
R56022	ERJ2GE0R00X	0 1/16W	[M]
R56023	ERJ2GE0R00X	0 1/16W	[M]
R56024	ERJ2GEJ511X	510 1/16W	[M]
R56025	ERJ2GE0R00X	0 1/16W	[M]
R56026	D0GA222JA023	2.2K 1/16W	[M]
R56028	ERJ2GE0R00X	0 1/16W	[M]
R56030	ERJ2GE0R00X	0 1/16W	[M]
R56031	D0GA222JA023	2.2K 1/16W	[M]
R56034	D0GA273JA023	27K 1/16W	[M]
R56035	D0GA273JA023	27K 1/16W	[M]
R56036	D0GA221JA023	220 1/16W	[M]
R56037	D0GA473JA023	47K 1/16W	[M]
R56038	D0GA393JA023	39K 1/16W	[M]
R56039	ERJ2GEJ225X	2.2M 1/16W	[M]
R56040	D0GA103JA023	10K 1/16W	[M]
R56041	ERJ2GEJ224X	220K 1/16W	[M]
R56042	D0GA104JA023	100K 1/16W	[M]
R56043	D0GA104JA023	100K 1/16W	[M]
R56049	D0GA333JA023	33K 1/16W	[M]
R56050	D0GA470JA023	47 1/16W	[M]
R56051	D0GA470JA023	47 1/16W	[M]
R56052	D0GA470JA023	47 1/16W	[M]
R58006	D0GBR00JA008	0 1/16W	[M]
R58008	ERJ2GEJ224X	220K 1/16W	[M]
R58009	D0GA273JA023	27K 1/16W	[M]
R58010	D0GA101JA023	100 1/16W	[M]
R58011	D0GA473JA023	47K 1/16W	[M]
R58013	ERJ2GEJ272X	2.7K 1/16W	[M]
R58015	D0GA101JA023	100 1/16W	[M]
R58016	D0GA393JA023	39K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R58019	D1BDR027A101	0.027	[M]
R58020	ERJ3RBD561V	560 1/16W	[M]
R58021	ERJ3RBD103V	10K 1/16W	[M]
R58022	D0HB242ZA002	2.4K 1/16W	[M]
R58026	D0GA393JA023	39K 1/16W	[M]
R58027	D0GA473JA023	47K 1/16W	[M]
R58033	D0GA101JA023	100 1/16W	[M]
R58034	ERJ2GE0R00X	0 1/16W	[M]
R58035	D0GA221JA023	220 1/16W	[M]
R58036	D0GB222JA008	2.2K 1/16W	[M]
R58038	D0GA2R2JA023	2.2 1/16W	[M]
R58040	D0GA473JA023	47K 1/16W	[M]
R58041	ERJ2GE0R00X	0 1/16W	[M]
R58042	ERJ2GE0R00X	0 1/16W	[M]
R58043	D0GA2R2JA023	2.2 1/16W	[M]
R58044	D0GBR00JA008	0 1/16W	[M]
R58050	D1BDR015A101	0.015	[M]
R58053	D0HB102ZA002	1K 1/16W	[M]
R58054	D0HB752ZA002	7.5K 1/16W	[M]
R58055	ERJ3RBD103V	10K 1/16W	[M]
R58057	ERJ3RBD562V	5.6K 1/16W	[M]
R58065	ERJ3RBD273V	27K 1/16W	[M]
R58066	ERJ3RBD393V	39K 1/16W	[M]
R58069	D0GA473JA023	47K 1/16W	[M]
R58076	D0GA101JA023	100 1/16W	[M]
R58301	D0GB121JA008	120 1/16W	[M]
R58302	D0GBR00JA008	0 1/16W	[M]
R58304	ERJ3RBD182V	1.8K 1/16W	[M]
R58305	ERJ3RBD153V	15K 1/16W	[M]
R58306	ERJ3RBD103V	10K 1/16W	[M]
R58311	D0GBR00JA008	0 1/16W	[M]
R58313	D0GBR00JA008	0 1/16W	[M]
R58316	D0GBR00JA008	0 1/16W	[M]
R58318	D0GA103JA023	10K 1/16W	[M]
R58319	D0GBR00JA008	0 1/16W	[M]
R58320	D0GDR00JA017	0 1/10W	[M]
R58321	D0GBR00JA008	0 1/16W	[M]
R58323	D0GBR00JA008	0 1/16W	[M]
R58400	ERJ2GE0R00X	0 1/16W	[M]
R58401	ERJ2GE0R00X	0 1/16W	[M]
R58500	D0GA101JA023	100 1/16W	[M]
R58501	D0GA101JA023	100 1/16W	[M]
R58502	D0GA101JA023	100 1/16W	[M]
R58503	D0GA101JA023	100 1/16W	[M]
R58504	D0GA101JA023	100 1/16W	[M]
R58505	D0GA101JA023	100 1/16W	[M]
R58506	D0GA101JA023	100 1/16W	[M]
R58507	D0GA101JA023	100 1/16W	[M]
R58508	D0GA101JA023	100 1/16W	[M]
R58509	D0GA101JA023	100 1/16W	[M]
R58510	D0GA101JA023	100 1/16W	[M]
R58511	D0GA101JA023	100 1/16W	[M]
R58512	D0GA101JA023	100 1/16W	[M]
R58513	D0GA101JA023	100 1/16W	[M]
R59009	D0GA103JA023	10K 1/16W	[M]
R59032	D0GBR00JA008	0 1/16W	[M]
RX51001	D1H84724A024	CHIP RESISTOR	[M]
RX51002	D1H83334A024	CHIP RESISTOR	[M]
RX51003	D1H83334A024	CHIP RESISTOR	[M]
RX51004	D1H83334A024	CHIP RESISTOR	[M]
RX51005	D1H83334A024	CHIP RESISTOR	[M]
RX51006	D1H83334A024	CHIP RESISTOR	[M]
RX51007	D1H83334A024	CHIP RESISTOR	[M]
RX51008	D1H83334A024	CHIP RESISTOR	[M]
RX51009	D1H83334A024	CHIP RESISTOR	[M]
RX51301	D1H85604A024	CHIP RESISTOR	[M]
RX51302	D1H85604A024	CHIP RESISTOR	[M]
RX51303	D1H85604A024	CHIP RESISTOR	[M]
RX51304	D1H81034A024	CHIP RESISTOR	[M]
RX51305	D1H85604A024	CHIP RESISTOR	[M]
RX51306	D1H85604A024	CHIP RESISTOR	[M]
RX51307	D1H85604A024	CHIP RESISTOR	[M]
RX51308	D1H85604A024	CHIP RESISTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
RX51309	D1H85604A024	CHIP RESISTOR	[M]
RX51310	D1H85604A024	CHIP RESISTOR	[M]
RX51311	D1H85604A024	CHIP RESISTOR	[M]
RX51312	D1H85604A024	CHIP RESISTOR	[M]
RX51313	D1H85604A024	CHIP RESISTOR	[M]
RX51314	D1H85604A024	CHIP RESISTOR	[M]
RX51315	D1H85604A024	CHIP RESISTOR	[M]
RX51316	D1H85604A024	CHIP RESISTOR	[M]
RX51317	D1H81034A024	CHIP RESISTOR	[M]
RX51318	D1H81034A024	CHIP RESISTOR	[M]
RX51319	D1H81034A024	CHIP RESISTOR	[M]
RX51320	D1H83334A024	CHIP RESISTOR	[M]
RX51322	D1H81034A024	CHIP RESISTOR	[M]
RX51601	D1H85604A024	CHIP RESISTOR	[M]
RX51602	D1H85604A024	CHIP RESISTOR	[M]
RX51603	D1H83334A024	CHIP RESISTOR	[M]
RX51604	D1H83334A024	CHIP RESISTOR	[M]
RX51605	D1H84724A024	CHIP RESISTOR	[M]
RX51606	D1H84724A024	CHIP RESISTOR	[M]
RX51609	D1H82204A024	CHIP RESISTOR	[M]
RX51610	D1H81034A024	CHIP RESISTOR	[M]
RX51611	D1H81034A024	CHIP RESISTOR	[M]
RX51613	D1H88204A024	CHIP RESISTOR	[M]
RX51614	D1H88204A024	CHIP RESISTOR	[M]
RX51615	D1H88204A024	CHIP RESISTOR	[M]
RX51616	D1H88204A024	CHIP RESISTOR	[M]
RX51617	D1H83304A024	CHIP RESISTOR	[M]
RX51618	D1H83304A024	CHIP RESISTOR	[M]
RX51619	D1H83334A024	CHIP RESISTOR	[M]
RX51620	D1H83334A024	CHIP RESISTOR	[M]
RX51621	D1H83334A024	CHIP RESISTOR	[M]
RX51622	D1H83334A024	CHIP RESISTOR	[M]
RX51623	D1H83334A024	CHIP RESISTOR	[M]
RX51624	D1H83334A024	CHIP RESISTOR	[M]
RX51625	D1H83334A024	CHIP RESISTOR	[M]
RX51639	D1H81034A024	CHIP RESISTOR	[M]
RX51640	D1H81034A024	CHIP RESISTOR	[M]
RX51641	D1H84724A024	CHIP RESISTOR	[M]
RX51642	D1H85604A024	CHIP RESISTOR	[M]
RX51643	D1H81034A024	CHIP RESISTOR	[M]
RX51646	D1H84724A024	CHIP RESISTOR	[M]
RX51647	D1H83324A024	CHIP RESISTOR	[M]
RX51650	D1H83334A024	CHIP RESISTOR	[M]
RX51651	D1H83334A024	CHIP RESISTOR	[M]
RX51652	D1H83334A024	CHIP RESISTOR	[M]
RX51653	D1H83334A024	CHIP RESISTOR	[M]
RX51654	D1H83334A024	CHIP RESISTOR	[M]
RX51660	D1H84704A024	CHIP RESISTOR	[M]
RX51661	D1H83324A024	CHIP RESISTOR	[M]
RX51662	D1H83324A024	CHIP RESISTOR	[M]
RX51663	D1H83334A024	CHIP RESISTOR	[M]
RX52027	D1H83304A024	CHIP RESISTOR	[M]
RX52028	D1H83304A024	CHIP RESISTOR	[M]
RX52029	D1H83304A024	CHIP RESISTOR	[M]
RX52045	D1H83304A024	CHIP RESISTOR	[M]
RX52046	D1H83304A024	CHIP RESISTOR	[M]
RX52207	D1H84704A024	CHIP RESISTOR	[M]
RX52208	D1H84704A024	CHIP RESISTOR	[M]
RX52209	D1H84704A024	CHIP RESISTOR	[M]
RX52216	D1H84704A024	CHIP RESISTOR	[M]
RX52217	D1H84704A024	CHIP RESISTOR	[M]
RX55001	D1H83334A024	CHIP RESISTOR	[M]
RX55002	D1H83334A024	CHIP RESISTOR	[M]
RX56001	D1H83304A024	CHIP RESISTOR	[M]
RX56002	D1H83304A024	CHIP RESISTOR	[M]
RX56003	D1H83304A024	CHIP RESISTOR	[M]
RX56004	D1H83304A024	CHIP RESISTOR	[M]
RX56005	D1H83304A024	CHIP RESISTOR	[M]
RX56006	D1H83304A024	CHIP RESISTOR	[M]
RX56007	D1H83334A024	CHIP RESISTOR	[M]
RX56008	D1H83334A024	CHIP RESISTOR	[M]
RX56009	D1H83334A024	CHIP RESISTOR	[M]
RX56010	D1H83334A024	CHIP RESISTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
RX58001	D1H8R0040009	CHIP RESISTOR	[M]
RX58002	D1H8R0040009	CHIP RESISTOR	[M]
RX58003	D1H82214A024	CHIP RESISTOR	[M]
RX58004	D1H82214A024	CHIP RESISTOR	[M]
RX59013	D1H81034A024	CHIP RESISTOR	[M]
RX59014	D1H81034A024	CHIP RESISTOR	[M]
RX59015	D1H81034A024	CHIP RESISTOR	[M]
RX59025	D1H81034A024	CHIP RESISTOR	[M]
RX59027	D1H81034A024	CHIP RESISTOR	[M]
RX59028	D1H81034A024	CHIP RESISTOR	[M]
RX59029	D1H81034A024	CHIP RESISTOR	[M]
RX59030	D1H81034A024	CHIP RESISTOR	[M]
RX59031	D1H81034A024	CHIP RESISTOR	[M]
RX59032	D1H81034A024	CHIP RESISTOR	[M]
RX59033	D1H81034A024	CHIP RESISTOR	[M]
RX59034	D1H81034A024	CHIP RESISTOR	[M]
		CAPACITORS	
C100	F2A0J101A245	100uF 6.3V	[M]
C101	F1H1H470A004	47pF 50V	[M]
C102	F1H1H101A230	100pF 50V	[M]
C103	F1H1H101A230	100pF 50V	[M]
C104	F1H1H472A219	4700pF 50V	[M]
C105	F1H1H472A219	4700pF 50V	[M]
C108	F1H1H101A230	100pF 50V	[M]
C109	F1H1H101A230	100pF 50V	[M]
C110	F1H1H472A219	4700pF 50V	[M]
C111	F1H1C104A042	0.1uF 16V	[M]
C112	F1H1H472A219	4700pF 50V	[M]
C113	F1H1H472A219	4700pF 50V	[M]
C114	F1H1C104A042	0.1uF 16V	[M]
C115	F1H1H472A219	4700pF 50V	[M]
C116	F1H1H472A219	4700pF 50V	[M]
C117	F1H1C104A042	0.1uF 16V	[M]
C118	F1H1H101A230	100pF 50V	[M]
C119	F1H1C104A042	0.1uF 16V	[M]
C120	F1H1H101A230	100pF 50V	[M]
C121	F1H0J1050013	1uF 6.3V	[M]
C122	F1J1A4750002	4.7uF 10V	[M]
C124	F1H1C104A042	0.1uF 16V	[M]
C125	ECJ1VC1H150J	15pF 50V	[M]
C126	ECJ1VC1H150J	15pF 50V	[M]
C127	F1H1A105A025	1uF 10V	[M]
C128	F1H1A105A025	1uF 10V	[M]
C129	F1H1C104A042	0.1uF 16V	[M]
C130	F2A0J332A247	3300uF 6.3V	[M]
C500	F1H1H470A004	47pF 50V	[M]
C501	F1H1C104A042	0.1uF 16V	[M]
C502	F1J0J106A014	10uF 6.3V	[M]
C503	F1H1H470A004	47pF 50V	[M]
C504	F1J1A106A043	10uF 10V	[M]
C505	F1J1A106A043	10uF 10V	[M]
C506	F1H1C104A042	0.1uF 16V	[M]
C507	F1H1C104A042	0.1uF 16V	[M]
C508	F1H1A105A025	1uF 10V	[M]
C509	F1H1A105A025	1uF 10V	[M]
C511	F1J0J106A020	10uF 6.3V	[M]
C512	F1H1A105A025	1uF 10V	[M]
C513	F1H1A105A025	1uF 10V	[M]
C514	F1J1A4750002	4.7uF 10V	[M]
C515	F1H1C104A042	0.1uF 16V	[M]
C516	F1H1A105A025	1uF 10V	[M]
C517	F1H1A105A025	1uF 10V	[M]
C518	F1H1C104A042	0.1uF 16V	[M]
C519	F1J0J106A014	10uF 6.3V	[M]
C520	F1H1H103A219	0.01uF 50V	[M]
C521	F1H1H220A004	22pF 50V	[M]
C522	F1H1H103A219	0.01uF 50V	[M]
C523	F1H1A105A025	1uF 10V	[M]
C525	F1H1A105A025	1uF 10V	[M]
C526	F1H1H470A004	47pF 50V	[M]
C528	F1H1C104A042	0.1uF 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C529	F1H1H470A004	47pF 50V	[M]
C530	F1H1H220A004	22pF 50V	[M]
C531	F1H1H220A004	22pF 50V	[M]
C532	F1J1A106A043	10uF 10V	[M]
C533	F1J1A106A043	10uF 10V	[M]
C535	F1H1A105A025	1uF 10V	[M]
C536	F1J0J106A014	10uF 6.3V	[M]
C538	F1H1C104A042	0.1uF 16V	[M]
C539	F1H1A105A025	1uF 10V	[M]
C540	F1H1H470A004	47pF 50V	[M]
C542	F1H1C104A042	0.1uF 16V	[M]
C543	F1H1H470A004	47pF 50V	[M]
C545	F1H1A105A025	1uF 10V	[M]
C546	F1H1C104A042	0.1uF 16V	[M]
C547	F1H1A105A025	1uF 10V	[M]
C548	F1H1A105A025	1uF 10V	[M]
C549	F1H1A105A025	1uF 10V	[M]
C550	F1H1A105A025	1uF 10V	[M]
C551	F1H1A105A025	1uF 10V	[M]
C552	F1H1A105A025	1uF 10V	[M]
C553	F1H1A105A025	1uF 10V	[M]
C554	F1H1A105A025	1uF 10V	[M]
C558	F2A1C330A234	33uF 16V	[M]
C559	F1H1H470A004	47pF 50V	[M]
C560	F1H1A105A025	1uF 10V	[M]
C561	F1H1A105A025	1uF 10V	[M]
C562	F1H1H101A230	100pF 50V	[M]
C563	F1H1H101A230	100pF 50V	[M]
C564	F1H1H220A004	22pF 50V	[M]
C565	F1H1H220A004	22pF 50V	[M]
C568	F1H1H103A219	0.01uF 50V	[M]
C569	F1H1H103A219	0.01uF 50V	[M]
C571	F1H1C104A042	0.1uF 16V	[M]
C572	F1H1H470A004	47pF 50V	[M]
C574	F1H1A105A025	1uF 10V	[M]
C575	F1H1C104A042	0.1uF 16V	[M]
C576	F1H1A105A025	1uF 10V	[M]
C577	F1H1H470A004	47pF 50V	[M]
C579	F1H1C104A042	0.1uF 16V	[M]
C580	F1H1H470A004	47pF 50V	[M]
C582	F1H1A105A025	1uF 10V	[M]
C583	F1H1C104A042	0.1uF 16V	[M]
C594	F1H1A105A025	1uF 10V	[M]
C600	F1J0J106A014	10uF 6.3V	[M]
C801	F1H1C104A042	0.1uF 16V	[M]
C802	F2A0J470A831	47uF 6.3V	[M]
C803	F1H1C104A042	0.1uF 16V	[M]
C804	F1H1A105A025	1uF 10V	[M]
C805	F1H1A105A025	1uF 10V	[M]
C806	F1H1H103A219	0.01uF 50V	[M]
C807	F1H1C104A042	0.1uF 16V	[M]
C808	F1H1C104A042	0.1uF 16V	[M]
C809	F2A0J220A245	22uF 6.3V	[M]
C810	F1H1C104A042	0.1uF 16V	[M]
C811	F2A0J470A831	47uF 6.3V	[M]
C812	F1H1H103A219	0.01uF 50V	[M]
C813	F1H1H103A219	0.01uF 50V	[M]
C814	F1H1H103A219	0.01uF 50V	[M]
C815	F1H1H101A230	100pF 50V	[M]
C816	F1H1H101A230	100pF 50V	[M]
C817	F2A0J102A247	1000uF 6.3V	[M]
C818	F1H1H101A230	100pF 50V	[M]
C819	F2A0J102A247	1000uF 6.3V	[M]
C820	F2A0J102A247	1000uF 6.3V	[M]
C821	F2A0J102A247	1000uF 6.3V	[M]
C822	F1H1H221A792	220pF 50V	[M]
C823	F1H1H101A230	100pF 50V	[M]
C824	F1H1H221A792	220pF 50V	[M]
C826	F1H1H220A004	22pF 50V	[M]
C827	F1H1H220A004	22pF 50V	[M]
C828	F1H1H392A013	3900pF 50V	[M]
C829	F1H1A105A025	1uF 10V	[M]
C830	F1H1H392A013	3900pF 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C843	F1H1H102A219	1000pF 50V	[M]
C844	F1H1H102A219	1000pF 50V	[M]
C845	F2A0J222A247	2200uF 6.3V	[M]
C846	F1H1A105A025	1uF 10V	[M]
C847	F1H1A105A025	1uF 10V	[M]
C848	F1H1A105A025	1uF 10V	[M]
C849	F1H1A105A025	1uF 10V	[M]
C850	F1H1A105A025	1uF 10V	[M]
C852	F1H1A105A025	1uF 10V	[M]
C853	F1H1A105A025	1uF 10V	[M]
C854	F1H1A105A025	1uF 10V	[M]
C855	F1H1H103A219	0.01uF 50V	[M]
C1001	F1H1H104A013	0.1uF 50V	[M]
C1002	F1H1H104A013	0.1uF 50V	[M]
C1003	F1H1H104A013	0.1uF 50V	[M]
C1004	F1H1H104A013	0.1uF 50V	[M]
C1101	F1H1C104A042	0.1uF 16V	[M]
C1102	F2A0J101A245	100uF 6.3V	[M]
C1103	F1H1A105A025	1uF 10V	[M]
C1104	F1H1A105A025	1uF 10V	[M]
C1105	F1H1H104A013	0.1uF 50V	[M]
C1106	F2A1C220A234	22uF 16V	[M]
C1107	F2A1C470A234	47uF 16V	[M]
C1108	F1J1A106A043	10uF 10V	[M]
C1109	F1H1C104A042	0.1uF 16V	[M]
C1110	F1H1C104A042	0.1uF 16V	[M]
C1113	F1H1H101A230	100pF 50V	[M]
C1114	F1H1H101A230	100pF 50V	[M]
C1115	F1H1H330A230	33pF 50V	[M]
C1116	F1H1H330A230	33pF 50V	[M]
C1117	F1H1A105A025	1uF 10V	[M]
C1118	F1H1A105A025	1uF 10V	[M]
C1119	ECJ1VC1H471J	470pF 50V	[M]
C1120	ECJ1VC1H471J	470pF 50V	[M]
C1121	F1H1C104A042	0.1uF 16V	[M]
C1122	F1H1H103A219	0.01uF 50V	[M]
C3001	EEEFK1C220R	22 16V	[M]
C3002	F1H1H103A219	0.01uF 50V	[M]
C3003	F1H1C104A042	0.1uF 16V	[M]
C3004	F1H0J1050013	1uF 6.3V	[M]
C3005	F1H1C104A042	0.1uF 16V	[M]
C3006	F1H1C104A042	0.1uF 16V	[M]
C3007	F1H1C104A042	0.1uF 16V	[M]
C3008	F1H1C104A042	0.1uF 16V	[M]
C3009	F1H1C104A042	0.1uF 16V	[M]
C3010	F1H0J1050013	1uF 6.3V	[M]
C3011	F1H1C104A042	0.1uF 16V	[M]
C3012	F1H1C104A042	0.1uF 16V	[M]
C3013	F1H1C104A042	0.1uF 16V	[M]
C3014	F1H1C104A042	0.1uF 16V	[M]
C3015	F1H1C104A042	0.1uF 16V	[M]
C3016	F1H0J1050013	1uF 6.3V	[M]
C3017	F1H1C104A042	0.1uF 16V	[M]
C3018	F1H1C104A042	0.1uF 16V	[M]
C3019	F1H1C104A042	0.1uF 16V	[M]
C3020	F1H1C104A042	0.1uF 16V	[M]
C3021	F1H1C104A042	0.1uF 16V	[M]
C3022	F1H1C104A042	0.1uF 16V	[M]
C3023	F1H1C104A042	0.1uF 16V	[M]
C3024	F1H1C104A042	0.1uF 16V	[M]
C3025	F1H1C104A042	0.1uF 16V	[M]
C3026	F1H1C104A042	0.1uF 16V	[M]
C3027	F1H0J1050013	1uF 6.3V	[M]
C3028	F1H1C104A042	0.1uF 16V	[M]
C3029	F1H1C104A042	0.1uF 16V	[M]
C3030	F1H0J1050013	1uF 6.3V	[M]
C3031	F1H1C104A042	0.1uF 16V	[M]
C3032	F1H1C104A042	0.1uF 16V	[M]
C3033	F1H1C104A042	0.1uF 16V	[M]
C3034	F1H1C104A042	0.1uF 16V	[M]
C3035	F1H1C104A042	0.1uF 16V	[M]
C3036	F1H1C104A042	0.1uF 16V	[M]
C3037	F1H1C104A042	0.1uF 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C3038	F1H1C104A042	0.1uF 16V	[M]
C3039	F1H1C104A042	0.1uF 16V	[M]
C3040	F1H1C104A042	0.1uF 16V	[M]
C3041	F1H1C104A042	0.1uF 16V	[M]
C3042	F1H1C104A042	0.1uF 16V	[M]
C3043	F1H1C104A042	0.1uF 16V	[M]
C3044	F1H1C104A042	0.1uF 16V	[M]
C3045	F1H1C104A042	0.1uF 16V	[M]
C3046	F1H1C104A042	0.1uF 16V	[M]
C3047	F1H1C104A042	0.1uF 16V	[M]
C3048	F1H0J1050013	1uF 6.3V	[M]
C3049	F2G0J101A066	100uF 6.3V	[M]
C3050	F1H0J1050013	1uF 6.3V	[M]
C3051	F1H1C104A042	0.1uF 16V	[M]
C3052	F1H1C104A042	0.1uF 16V	[M]
C3053	F1H1C104A042	0.1uF 16V	[M]
C3054	F1H0J1050013	1uF 6.3V	[M]
C3055	F1H1C104A042	0.1uF 16V	[M]
C3056	F1H1C104A042	0.1uF 16V	[M]
C3057	F1H1C104A042	0.1uF 16V	[M]
C3058	F1H1C104A042	0.1uF 16V	[M]
C3059	F1H1C104A042	0.1uF 16V	[M]
C3060	F1H1C104A042	0.1uF 16V	[M]
C3061	F1H1C104A042	0.1uF 16V	[M]
C3062	F1H1C104A042	0.1uF 16V	[M]
C3063	F1H1C104A042	0.1uF 16V	[M]
C3064	F1H1C104A042	0.1uF 16V	[M]
C3065	F1H1C104A042	0.1uF 16V	[M]
C3066	F1H1C104A042	0.1uF 16V	[M]
C3067	F1H1H103A219	0.01uF 50V	[M]
C3091	F1H1H102A219	1000pF 50V	[M]
C3101	EEEFK1C220R	22 16V	[M]
C3102	F1H1H103A219	0.01uF 50V	[M]
C3103	F1H1C104A042	0.1uF 16V	[M]
C3104	F1H0J1050013	1uF 6.3V	[M]
C3105	F1H1C104A042	0.1uF 16V	[M]
C3106	F1H1C104A042	0.1uF 16V	[M]
C3107	F1H1C104A042	0.1uF 16V	[M]
C3108	F1H1C104A042	0.1uF 16V	[M]
C3109	F1H1C104A042	0.1uF 16V	[M]
C3110	F1H0J1050013	1uF 6.3V	[M]
C3111	F1H1C104A042	0.1uF 16V	[M]
C3112	F1H1C104A042	0.1uF 16V	[M]
C3113	F1H1C104A042	0.1uF 16V	[M]
C3114	F1H1C104A042	0.1uF 16V	[M]
C3115	F1H1C104A042	0.1uF 16V	[M]
C3116	F1H0J1050013	1uF 6.3V	[M]
C3117	F1H1C104A042	0.1uF 16V	[M]
C3118	F1H1C104A042	0.1uF 16V	[M]
C3119	F1H1C104A042	0.1uF 16V	[M]
C3120	F1H1C104A042	0.1uF 16V	[M]
C3121	F1H1C104A042	0.1uF 16V	[M]
C3122	F1H1C104A042	0.1uF 16V	[M]
C3123	F1H1C104A042	0.1uF 16V	[M]
C3124	F1H1C104A042	0.1uF 16V	[M]
C3125	F1H1C104A042	0.1uF 16V	[M]
C3126	F1H1C104A042	0.1uF 16V	[M]
C3127	F1H0J1050013	1uF 6.3V	[M]
C3128	F1H1C104A042	0.1uF 16V	[M]
C3129	F1H1C104A042	0.1uF 16V	[M]
C3130	F1H0J1050013	1uF 6.3V	[M]
C3131	F1H1C104A042	0.1uF 16V	[M]
C3132	F1H1C104A042	0.1uF 16V	[M]
C3133	F1H1C104A042	0.1uF 16V	[M]
C3134	F1H1C104A042	0.1uF 16V	[M]
C3135	F1H1C104A042	0.1uF 16V	[M]
C3136	F1H1C104A042	0.1uF 16V	[M]
C3137	F1H1C104A042	0.1uF 16V	[M]
C3138	F1H1C104A042	0.1uF 16V	[M]
C3139	F1H1C104A042	0.1uF 16V	[M]
C3140	F1H1C104A042	0.1uF 16V	[M]
C3141	F1H1C104A042	0.1uF 16V	[M]
C3142	F1H1C104A042	0.1uF 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C3143	F1H1C104A042	0.1uF 16V	[M]
C3144	F1H1C104A042	0.1uF 16V	[M]
C3145	F1H1C104A042	0.1uF 16V	[M]
C3146	F1H1C104A042	0.1uF 16V	[M]
C3147	F1H1C104A042	0.1uF 16V	[M]
C3148	F1H0J1050013	1uF 6.3V	[M]
C3149	F2G0J101A066	100uF 6.3V	[M]
C3150	F1H0J1050013	1uF 6.3V	[M]
C3151	F1H1C104A042	0.1uF 16V	[M]
C3152	F1H1C104A042	0.1uF 16V	[M]
C3153	F1H1C104A042	0.1uF 16V	[M]
C3154	F1H0J1050013	1uF 6.3V	[M]
C3155	F1H1C104A042	0.1uF 16V	[M]
C3156	F1H1C104A042	0.1uF 16V	[M]
C3157	F1H1C104A042	0.1uF 16V	[M]
C3158	F1H1C104A042	0.1uF 16V	[M]
C3159	F1H1C104A042	0.1uF 16V	[M]
C3160	F1H1C104A042	0.1uF 16V	[M]
C3161	F1H1C104A042	0.1uF 16V	[M]
C3162	F1H1C104A042	0.1uF 16V	[M]
C3163	F1H1C104A042	0.1uF 16V	[M]
C3164	F1H1C104A042	0.1uF 16V	[M]
C3165	F1H1C104A042	0.1uF 16V	[M]
C3166	F1H1C104A042	0.1uF 16V	[M]
C3167	F1H1H103A219	0.01uF 50V	[M]
C3191	F1H1H102A219	1000pF 50V	[M]
C3201	F1H1H102A219	1000pF 50V	[M]
C3202	F1H1H102A219	1000pF 50V	[M]
C3209	F1H1C104A042	0.1uF 16V	[M]
C3213	F1H0J1050013	1uF 6.3V	[M]
C3214	F1J0J106A020	10uF 6.3V	[M]
C3221	F1H1C104A042	0.1uF 16V	[M]
C3225	F1J0J106A020	10uF 6.3V	[M]
C3229	F1H1H103A219	0.01uF 50V	[M]
C3233	F1H1C104A042	0.1uF 16V	[M]
C3237	F1J0J106A020	10uF 6.3V	[M]
C3241	F1H1C104A042	0.1uF 16V	[M]
C3401	F1H1C104A042	0.1uF 16V	[M]
C3402	F1H0J1050013	1uF 6.3V	[M]
C3403	F1H0J1050013	1uF 6.3V	[M]
C3404	F1H0J1050013	1uF 6.3V	[M]
C3405	ECJ1VC1H180J	18pF 50V	[M]
C3406	F1H1H120A230	12pF 50V	[M]
C3407	ECJ1VC1H180J	18pF 50V	[M]
C3408	ECJ1VC1H180J	18pF 50V	[M]
C3409	F1H1H100A017	10pF 50V	[M]
C3410	F1H0J1050013	1uF 6.3V	[M]
C3411	F1H1H101A230	100pF 50V	[M]
C3412	F1H1H101A230	100pF 50V	[M]
C3413	F1H1H101A230	100pF 50V	[M]
C3414	F1H1H101A230	100pF 50V	[M]
C3415	F1H1C104A042	0.1uF 16V	[M]
C3416	F1H1A474A025	0.47uF 10V	[M]
C3417	F1H1H220A004	22pF 50V	[M]
C3420	EEEFK1C220R	22 16V	[M]
C3421	F1H1H220A004	22pF 50V	[M]
C3426	F1H0J1050013	1uF 6.3V	[M]
C3427	F1H1H100A017	10pF 50V	[M]
C3428	F1H1H100A017	10pF 50V	[M]
C3429	F1H1H100A017	10pF 50V	[M]
C3430	F1H0J1050013	1uF 6.3V	[M]
C3431	EEEFK1C220R	22 16V	[M]
C3432	EEEFK1C220R	22 16V	[M]
C3433	F1H1H100A017	10pF 50V	[M]
C3501	F1H1C104A042	0.1uF 16V	[M]
C3502	EEE0JA470SR	47uF 6.3V	[M]
C3503	F1H1C104A042	0.1uF 16V	[M]
C3504	F2G0J101A066	100uF 6.3V	[M]
C3505	F1H1C104A042	0.1uF 16V	[M]
C3506	F1H1H103A219	0.01uF 50V	[M]
C3507	F1H1C104A042	0.1uF 16V	[M]
C3508	EEEFK1C220R	22 16V	[M]
C3551	F1H1C104A042	0.1uF 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C3601	F1H1C104A042	0.1uF 16V	[M]
C3602	F1L1C226A007	22uF 16V	[M]
C3603	F1H1C104A042	0.1uF 16V	[M]
C3604	ECJ1VC1H150J	15pF 50V	[M]
C3605	F1H1C104A042	0.1uF 16V	[M]
C3606	F1H1C104A042	0.1uF 16V	[M]
C3607	F1H1C104A042	0.1uF 16V	[M]
C3608	F1H1C104A042	0.1uF 16V	[M]
C3609	F2G0J221A031	220uF 6.3V	[M]
C3610	F1J0J106A014	10uF 6.3V	[M]
C3611	ECJ1VC1H471J	470pF 50V	[M]
C3612	F1H0J1050013	1uF 6.3V	[M]
C3613	F2G0J101A066	100uF 6.3V	[M]
C3614	F1L1C226A007	22uF 16V	[M]
C3615	F1H1C104A042	0.1uF 16V	[M]
C3616	EEEFK0J102P	1000P 6.3V	[M]
C3701	F1H1H102A219	1000pF 50V	[M]
C5000	ECJ1VB1H221K	220pF 50V	[M]
C5001	ECJ1VB1H221K	220pF 50V	[M]
C5002	F1H1A474A001	0.47uF 10V	[M]
C5003	F1H1A474A001	0.47uF 10V	[M]
C5004	F1H1A474A001	0.47uF 10V	[M]
C5005	F1H1A474A001	0.47uF 10V	[M]
C5006	F1H1H470A004	47pF 50V	[M]
C5007	F1H1H470A004	47pF 50V	[M]
C5008	F1H1H153A219	0.015uF 50V	[M]
C5009	F1H1H153A219	0.015uF 50V	[M]
C5010	F1J2A221A030	220pF 100V	[M]
C5011	F1J2A221A030	220pF 100V	[M]
C5012	F1J2A221A030	220pF 100V	[M]
C5013	F1J2A221A030	220pF 100V	[M]
C5014	ECQV1H824JL3	0.82uF 50V	[M]
C5015	ECQV1H824JL3	0.82uF 50V	[M]
C5016	F1H1H104A013	0.1uF 50V	[M]
C5017	F1H1H104A013	0.1uF 50V	[M]
C5018	F1K2A1040007	0.1uF 100V	[M]
C5019	F1H1H104A013	0.1uF 50V	[M]
C5020	F1H1H104A013	0.1uF 50V	[M]
C5021	F1H1H104A013	0.1uF 50V	[M]
C5022	F1H1H104A013	0.1uF 50V	[M]
C5023	F1K2A1040007	0.1uF 100V	[M]
C5024	F1H1H104A013	0.1uF 50V	[M]
C5025	F1H1H104A013	0.1uF 50V	[M]
C5027	F1H1H104A013	0.1uF 50V	[M]
C5028	F1H1H104A013	0.1uF 50V	[M]
C5030	F1H1H221A792	220pF 50V	[M]
C5031	F1H1C224A068	0.22uF 16V	[M]
C5032	F1H1H102A219	1000pF 50V	[M]
C5033	F1H1H104A013	0.1uF 50V	[M]
C5040	F2A2A2200035	22uF 100V	[M]
C5050	F1H1H102A219	1000pF 50V	[M]
C5051	F1H1H102A219	1000pF 50V	[M]
C5052	F1H1H102A219	1000pF 50V	[M]
C5053	F1H1H102A219	1000pF 50V	[M]
C5106	F1H1A474A001	0.47uF 10V	[M]
C5107	F1H1A474A001	0.47uF 10V	[M]
C5117	ECJ1VB1H221K	220pF 50V	[M]
C5119	ECJ1VB1H221K	220pF 50V	[M]
C5120	F1H1A474A001	0.47uF 10V	[M]
C5121	F1H1A474A001	0.47uF 10V	[M]
C5133	F2A0J101A245	100uF 6.3V	[M]
C5150	ECJ1VB1H221K	220pF 50V	[M]
C5151	ECJ1VB1H221K	220pF 50V	[M]
C5152	F1H1H102A219	1000pF 50V	[M]
C5155	ECJ1VB1H221K	220pF 50V	[M]
C5200	F1H1H104A013	0.1uF 50V	[M]
C5201	F1H1H153A219	0.015uF 50V	[M]
C5202	F1H1C224A068	0.22uF 16V	[M]
C5203	F1J2A221A030	220pF 100V	[M]
C5204	F1H1H153A219	0.015uF 50V	[M]
C5205	F1J2A221A030	220pF 100V	[M]
C5206	F1H1H104A013	0.1uF 50V	[M]
C5207	F1K2A1040007	0.1uF 100V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C5208	F1H1H104A013	0.1uF 50V	[M]
C5209	F1H1H104A013	0.1uF 50V	[M]
C5211	F1J2A221A030	220pF 100V	[M]
C5212	F1H1H221A792	220pF 50V	[M]
C5213	F1H1H104A013	0.1uF 50V	[M]
C5214	F1H1H104A013	0.1uF 50V	[M]
C5216	F1H1H470A004	47pF 50V	[M]
C5217	F1H1H104A013	0.1uF 50V	[M]
C5218	F1J2A221A030	220pF 100V	[M]
C5219	F1K2A1040007	0.1uF 100V	[M]
C5220	F1H1H104A013	0.1uF 50V	[M]
C5221	ECJ1VB1H221K	220pF 50V	[M]
C5222	F1H1A474A001	0.47uF 10V	[M]
C5223	F1H1A474A001	0.47uF 10V	[M]
C5224	F1H1H470A004	47pF 50V	[M]
C5225	ECQV1H824JL3	0.82uF 50V	[M]
C5226	F1H1H104A013	0.1uF 50V	[M]
C5227	F1H1H104A013	0.1uF 50V	[M]
C5228	ECQV1H824JL3	0.82uF 50V	[M]
C5231	F1H1H102A219	1000pF 50V	[M]
C5232	F1H1A474A001	0.47uF 10V	[M]
C5233	F1H1A474A001	0.47uF 10V	[M]
C5234	ECJ1VB1H221K	220pF 50V	[M]
C5240	F2A2A2200035	22uF 100V	[M]
C5250	F1H1H102A219	1000pF 50V	[M]
C5251	F1H1H102A219	1000pF 50V	[M]
C5300	F0C1H684A013	0.68uF 50V	[M]
C5301	F1H1H104A013	0.1uF 50V	[M]
C5302	F1H1H104A013	0.1uF 50V	[M]
C5303	F1H1H104A013	0.1uF 50V	[M]
C5304	F1H1H331A013	330pF 50V	[M]
C5305	F1H1H104A013	0.1uF 50V	[M]
C5306	F1H1H104A013	0.1uF 50V	[M]
C5307	F1J2A221A030	220pF 100V	[M]
C5309	F1H1H104A013	0.1uF 50V	[M]
C5310	F1K2A1040007	0.1uF 100V	[M]
C5311	F1J2A221A030	220pF 100V	[M]
C5312	F1H1H331A013	330pF 50V	[M]
C5313	F1H1H104A013	0.1uF 50V	[M]
C5314	F1H1A474A001	0.47uF 10V	[M]
C5315	F1H1H102A219	1000pF 50V	[M]
C5316	F1H1H104A013	0.1uF 50V	[M]
C5317	F1H1A474A001	0.47uF 10V	[M]
C5318	F1H1H104A013	0.1uF 50V	[M]
C5319	F1K2A1040007	0.1uF 100V	[M]
C5321	F1H1C224A068	0.22uF 16V	[M]
C5322	F1H1H153A219	0.015uF 50V	[M]
C5323	F1H1H221A792	220pF 50V	[M]
C5324	F1H1H153A219	0.015uF 50V	[M]
C5325	F1J2A221A030	220pF 100V	[M]
C5326	F1J2A221A030	220pF 100V	[M]
C5327	F1H1H104A013	0.1uF 50V	[M]
C5328	F0C1H684A013	0.68uF 50V	[M]
C5331	F1H1H102A219	1000pF 50V	[M]
C5332	F1H1A474A001	0.47uF 10V	[M]
C5333	F1H1H102A219	1000pF 50V	[M]
C5334	F1H1A474A001	0.47uF 10V	[M]
C5350	F1H1H102A219	1000pF 50V	[M]
C5351	F1H1H102A219	1000pF 50V	[M]
C5400	ECQV1H824JL3	0.82uF 50V	[M]
C5401	F1H1H104A013	0.1uF 50V	[M]
C5402	F1H1H104A013	0.1uF 50V	[M]
C5403	F1H1H104A013	0.1uF 50V	[M]
C5404	F1H1H470A004	47pF 50V	[M]
C5405	F1H1H104A013	0.1uF 50V	[M]
C5406	F1H1H104A013	0.1uF 50V	[M]
C5407	F1J2A221A030	220pF 100V	[M]
C5409	F1H1H104A013	0.1uF 50V	[M]
C5410	F1K2A1040007	0.1uF 100V	[M]
C5411	F1J2A221A030	220pF 100V	[M]
C5412	F1H1H470A004	47pF 50V	[M]
C5413	F1H1H104A013	0.1uF 50V	[M]
C5416	F1H1H104A013	0.1uF 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C5418	F1H1H104A013	0.1uF 50V	[M]
C5419	F1K2A1040007	0.1uF 100V	[M]
C5421	F1H1C224A068	0.22uF 16V	[M]
C5422	F1H1H153A219	0.015uF 50V	[M]
C5423	F1H1H221A792	220pF 50V	[M]
C5424	F1H1H153A219	0.015uF 50V	[M]
C5425	F1J2A221A030	220pF 100V	[M]
C5426	F1J2A221A030	220pF 100V	[M]
C5427	F1H1H104A013	0.1uF 50V	[M]
C5428	ECQV1H824JL3	0.82uF 50V	[M]
C5431	F1H1H102A219	1000pF 50V	[M]
C5440	F2A2A2200035	22uF 100V	[M]
C5445	F1H1H104A013	0.1uF 50V	[M]
C5508	F2A1V4710074	470uF 35V	[M]
C5509	F2A1V4710074	470uF 35V	[M]
C5510	F2A1V4710074	470uF 35V	[M]
C5511	F2A1V4710074	470uF 35V	[M]
C5512	F2A1V4710074	470uF 35V	[M]
C5513	F2A1V4710074	470uF 35V	[M]
C5514	F1H1H104A013	0.1uF 50V	[M]
C5515	F1H1H104A013	0.1uF 50V	[M]
C5516	F2A1V4710074	470uF 35V	[M]
C5517	F2A1V4710074	470uF 35V	[M]
C5518	F1H1H104A013	0.1uF 50V	[M]
C5519	F1H1H104A013	0.1uF 50V	[M]
C5520	F1H1H104A013	0.1uF 50V	[M]
C5521	F1H1H104A013	0.1uF 50V	[M]
C5522	F1H1H104A013	0.1uF 50V	[M]
C5523	F1H1H104A013	0.1uF 50V	[M]
C5524	F1H1H104A013	0.1uF 50V	[M]
C5525	F1H1H104A013	0.1uF 50V	[M]
C5540	F2A2A2200035	22uF 100V	[M]
C5550	F1H1H103A219	0.01uF 50V	[M]
C5551	ECJ1VB1H391K	390pF 50V	[M]
C5552	ECJ1VB1H391K	390pF 50V	[M]
C5553	F1H1H101A230	100pF 50V	[M]
C5554	F1H1H104A013	0.1uF 50V	[M]
C5555	F1K1C1060001	10uF 16V	[M]
C5556	F1H1H103A219	0.01uF 50V	[M]
C5557	F1H1H101A230	100pF 50V	[M]
C5558	F1H1H470A004	47pF 50V	[M]
C5559	F1H1H470A004	47pF 50V	[M]
C5560	F1H1H104A013	0.1uF 50V	[M]
C5601	F2A1C100A234	10uF 16V	[M]
C5602	F2A1C100A234	10uF 16V	[M]
C5690	F1H1H102A219	1000pF 50V	[M]
C5691	F2A1E100A202	10uF 25V	[M]
C5692	F2A0J221A245	220uF 6.3V	[M]
C5693	F1H1H104A013	0.1uF 50V	[M]
C5694	F2A1C330A234	33uF 16V	[M]
C5695	F1H1H104A013	0.1uF 50V	[M]
C5696	ECEA1EKS220B	22uF 25V	[M]
C5697	ECA1HAK010XB	1uF 50V	[M]
C5700	F1BAF1020020	1000pF	[M] ⚠
C5701	ECQU2A104MLC	0.1uF	[M] ⚠
C5702	ECQU2A104MLC	0.1uF	[M] ⚠
C5703	ECQU2A104MLC	0.1uF	[M] ⚠
C5704	F1BAF1020020	1000pF	[M] ⚠
C5712	F2A2D8210001	820uF 200V	[M]
C5713	F0C2J1030005	0.01uF 630V	[M]
C5720	F1H1H102A219	1000pF 50V	[M]
C5721	ECJ1VB1H221K	220pF 50V	[M]
C5722	F1H1H102A219	1000pF 50V	[M]
C5723	F1H1H471A219	470pF 50V	[M]
C5724	F2A1H5600009	56uF 50V	[M]
C5725	F1H1H104A013	0.1uF 50V	[M]
C5726	F1H1H104A013	0.1uF 50V	[M]
C5727	ECWH8332JVB	3300pF 800V	[M]
C5728	F1H1H102A219	1000pF 50V	[M]
C5730	ECEA1HKS010B	1uF 50V	[M]
C5790	F1K2J2220002	2200pF 630V	[M]
C5791	F2A1H2R2A213	2.2uF 50V	[M]
C5794	F1H1H220A004	22pF 50V	[M]
C5795	ECJ2VC1H222J	2200pF 50V	[M]
C5796	F1J1H104A717	0.1uF 50V	[M]
C5797	F1A3A470A023	47pF 1000V	[M]
C5798	F2A1H5600009	56uF 50V	[M]
C5800	F1J2E1030004	0.01uF 250V	[M]
C5805	F2B1V222A007	2200uF 35V	[M]
C5808	F2B1V222A007	2200uF 35V	[M]
C5810	F1H1H104A013	0.1uF 50V	[M]
C5811	F1J2E1030004	0.01uF 250V	[M]
C5812	F1H1H104A013	0.1uF 50V	[M]
C5813	F2A1V4710036	470uF 35V	[M]
C5815	F1H1H104A013	0.1uF 50V	[M]
C5816	F2A1E471A652	470uF 25V	[M]
C5817	F2A2AR22A358	0.22uF 100V	[M]
C5818	F1H1H104A013	0.1uF 50V	[M]
C5819	F1J2E1030004	0.01uF 250V	[M]
C5820	F1J2E1030004	0.01uF 250V	[M]
C5821	F1J2E1030004	0.01uF 250V	[M]
C5822	F1J2E1030004	0.01uF 250V	[M]
C5823	F1H1H104A013	0.1uF 50V	[M]
C5824	F2A1E471A652	470uF 25V	[M]
C5825	F1H1H104A013	0.1uF 50V	[M]
C5826	F1J2E1030004	0.01uF 250V	[M]
C5827	F1J2E1030004	0.01uF 250V	[M]
C5831	F1H1H104A013	0.1uF 50V	[M]
C5832	F1H1H104A013	0.1uF 50V	[M]
C5869	F1H1H104A013	0.1uF 50V	[M]
C5870	F1H1H104A013	0.1uF 50V	[M]
C5896	F1H1H104A013	0.1uF 50V	[M]
C5897	F1H1H104A013	0.1uF 50V	[M]
C5898	F1H1H104A013	0.1uF 50V	[M]
C5899	F2A1C221A104	220uF 16V	[M]
C6001	F2A1H220A234	22uF 50V	[M]
C6002	ECA0JAK470XB	47uF 6.3V	[M]
C6003	F1H1H101A230	100pF 50V	[M]
C6004	F1H1C473A088	0.047uF 16V	[M]
C6005	F2A1H220A234	22uF 50V	[M]
C6006	F1H1H104A013	0.1uF 50V	[M]
C6007	F1H1H104A013	0.1uF 50V	[M]
C6008	F1H1C473A088	0.047uF 16V	[M]
C6009	F1H1H101A230	100pF 50V	[M]
C6010	F1H1H103A219	0.01uF 50V	[M]
C6011	F1H1H104A013	0.1uF 50V	[M]
C6012	F1H1H101A230	100pF 50V	[M]
C6013	F1H1H101A230	100pF 50V	[M]
C6014	F1H1H101A230	100pF 50V	[M]
C6015	ECA1HAK3R3XB	3.3uF 50V	[M]
C6016	F1H1H101A230	100pF 50V	[M]
C6017	F1H1H104A013	0.1uF 50V	[M]
C6018	F2A0J101A245	100uF 6.3V	[M]
C6019	F1H1H104A013	0.1uF 50V	[M]
C6020	F1H1H104A013	0.1uF 50V	[M]
C6021	F1H1H102A219	1000pF 50V	[M]
C6202	F1J0J106A014	10uF 6.3V	[M]
C6203	F1J0J106A014	10uF 6.3V	[M]
C6204	F1J0J106A014	10uF 6.3V	[M]
C6206	F1H1H103A219	0.01uF 50V	[M]
C6207	F1H1H103A219	0.01uF 50V	[M]
C6210	F1H1H102A219	1000pF 50V	[M]
C7001	F2A1V3310040	330uF 35V	[M]
C7002	F2A0J1220028	1200uF 6.3V	[M]
C7003	F2A1C8210008	820uF 16V	[M]
C7004	F2A0J221A245	220uF 6.3V	[M]
C7005	F2A1V470A654	47uF 35V	[M]
C7006	F2A1V330A379	33uF 35V	[M]
C7007	F2A1V5600013	56uF 35V	[M]
C7008	F1J1V1050001	1uF 35V	[M]
C7011	F2A0J3310059	330uF 6.3V	[M]
C7012	F2A0J3310059	330uF 6.3V	[M]
C7014	F2A0J102A247	1000uF 6.3V	[M]
C7016	F2A1C470A234	47uF 16V	[M]
C7017	F2A1C100A234	10uF 16V	[M]
C7018	F2A1C470A234	47uF 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C7019	F2A0J222A247	2200uF 6.3V	[M]
C7020	F2A1C221A236	220uF 16V	[M]
C7021	F2A1A101A206	100uF 10V	[M]
C7051	F1H1H102A219	1000pF 50V	[M]
C7052	F1H1H102A219	1000pF 50V	[M]
C7053	F1H1H104A013	0.1uF 50V	[M]
C7054	F1H1E105A116	1uF 25V	[M]
C7055	F1H1E105A116	1uF 25V	[M]
C7056	ECJ1VC1H471J	470pF 50V	[M]
C7057	F1H1H103A219	0.01uF 50V	[M]
C7058	F1H1E105A116	1uF 25V	[M]
C7059	F1H1E105A116	1uF 25V	[M]
C7060	F1H1H103A219	0.01uF 50V	[M]
C7061	ECJ1VB1H681K	680pF 50V	[M]
C7062	F1H1C224A068	0.22uF 16V	[M]
C7063	ECJ1VB1H681K	680pF 50V	[M]
C7064	F1H1H223A219	0.022uF 50V	[M]
C7065	F1H1H103A219	0.01uF 50V	[M]
C7066	F1J1V1050001	1uF 35V	[M]
C7067	F2A1A101A206	100uF 10V	[M]
C7068	F1H1E105A116	1uF 25V	[M]
C7070	F1H1H392A013	3900pF 50V	[M]
C7071	F1H1H223A219	0.022uF 50V	[M]
C7072	F1H1H153A219	0.015uF 50V	[M]
C7073	F1H1H152A219	1500pF 50V	[M]
C7074	F1H1A105A025	1uF 10V	[M]
C7075	F2A1C221A236	220uF 16V	[M]
C7076	F1H1H153A219	0.015uF 50V	[M]
C7077	F1H1C224A068	0.22uF 16V	[M]
C7079	F1H1H103A219	0.01uF 50V	[M]
C7080	F1H1H102A219	1000pF 50V	[M]
C51001	F1G1C1030007	0.01uF 16V	[M]
C51002	F1G1A1040006	0.1uF 10V	[M]
C51003	F1G1A1040006	0.1uF 10V	[M]
C51004	F1G1C1030007	0.01uF 16V	[M]
C51005	F1G1A1040006	0.1uF 10V	[M]
C51006	F1G1A1040006	0.1uF 10V	[M]
C51007	F1G1A1040006	0.1uF 10V	[M]
C51008	F1G1A1040006	0.1uF 10V	[M]
C51009	F1G1A1040006	0.1uF 10V	[M]
C51010	F1G1A1040006	0.1uF 10V	[M]
C51011	F1G1A1040006	0.1uF 10V	[M]
C51012	F1G1A1040006	0.1uF 10V	[M]
C51013	ECJ0EC1H070D	7pF 50V	[M]
C51014	ECJ0EC1H070D	7pF 50V	[M]
C51017	ECJ0EB0J105K	1uF 6.3V	[M]
C51018	ECJ0EB0J105K	1uF 6.3V	[M]
C51022	F1G1A1040006	0.1uF 10V	[M]
C51023	F1G1A1040006	0.1uF 10V	[M]
C51024	F1G1A1040006	0.1uF 10V	[M]
C51026	F1G1A1040006	0.1uF 10V	[M]
C51027	F1G1A1040006	0.1uF 10V	[M]
C51028	F1G1A1040006	0.1uF 10V	[M]
C51030	F1G1A1040006	0.1uF 10V	[M]
C51036	F1G1A1040006	0.1uF 10V	[M]
C51039	F1G1A1040006	0.1uF 10V	[M]
C51040	F1J0J106A014	10uF 6.3V	[M]
C51041	F1G1C1030007	0.01uF 16V	[M]
C51042	F1G1C1030007	0.01uF 16V	[M]
C51043	F1G1C1030007	0.01uF 16V	[M]
C51047	F1J0J106A014	10uF 6.3V	[M]
C51048	F1G1C1030007	0.01uF 16V	[M]
C51049	F1G1C1030007	0.01uF 16V	[M]
C51050	F1G1C1030007	0.01uF 16V	[M]
C51057	F1J0J106A014	10uF 6.3V	[M]
C51058	F1G1C1030007	0.01uF 16V	[M]
C51059	F1G1C1030007	0.01uF 16V	[M]
C51062	F1J0J106A014	10uF 6.3V	[M]
C51063	F1G1C1030007	0.01uF 16V	[M]
C51064	F1G1C1030007	0.01uF 16V	[M]
C51065	F1G1C1030007	0.01uF 16V	[M]
C51069	F1J0J106A014	10uF 6.3V	[M]
C51070	F1G1C1030007	0.01uF 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C51071	F1G1C1030007	0.01uF 16V	[M]
C51072	F1G1C1030007	0.01uF 16V	[M]
C51074	F1J0J106A014	10uF 6.3V	[M]
C51075	F1G1C1030007	0.01uF 16V	[M]
C51076	F1L1A104A009	0.1uF 10V	[M]
C51077	ECJ0EB0J105K	1uF 6.3V	[M]
C51079	F1J0J106A014	10uF 6.3V	[M]
C51080	F1G1C1030007	0.01uF 16V	[M]
C51081	F1G1C1030007	0.01uF 16V	[M]
C51082	F1G1C1030007	0.01uF 16V	[M]
C51083	ECJ0EB0J105K	1uF 6.3V	[M]
C51086	F1J0J106A014	10uF 6.3V	[M]
C51087	F1G1C1030007	0.01uF 16V	[M]
C51088	ECJ0EB0J105K	1uF 6.3V	[M]
C51089	F1L1A104A009	0.1uF 10V	[M]
C51095	F1G1H120A444	12pF 50V	[M]
C51096	F1G1A1040006	0.1uF 10V	[M]
C51097	F1G1H150A565	15pF 50V	[M]
C51101	F1J0J106A014	10uF 6.3V	[M]
C51102	ECJ0EB0J105K	1uF 6.3V	[M]
C51103	ECJ0EB0J105K	1uF 6.3V	[M]
C51104	F1L1A104A009	0.1uF 10V	[M]
C51107	F1L1A104A009	0.1uF 10V	[M]
C51116	F1J0J106A014	10uF 6.3V	[M]
C51117	ECJ0EB0J105K	1uF 6.3V	[M]
C51118	F1L1A104A009	0.1uF 10V	[M]
C51119	ECJ0EB0J105K	1uF 6.3V	[M]
C51120	F1L1A104A009	0.1uF 10V	[M]
C51121	F1J0J106A014	10uF 6.3V	[M]
C51122	ECJ0EB0J105K	1uF 6.3V	[M]
C51123	F1L1A104A009	0.1uF 10V	[M]
C51124	ECJ0EB0J105K	1uF 6.3V	[M]
C51125	F1L1A104A009	0.1uF 10V	[M]
C51126	F1J0J106A014	10uF 6.3V	[M]
C51127	ECJ0EB0J105K	1uF 6.3V	[M]
C51128	F1L1A104A009	0.1uF 10V	[M]
C51129	ECJ0EB0J105K	1uF 6.3V	[M]
C51130	F1L1A104A009	0.1uF 10V	[M]
C51605	F1G1A1040006	0.1uF 10V	[M]
C51610	F1G1A1040006	0.1uF 10V	[M]
C52001	F1G1A1040006	0.1uF 10V	[M]
C52002	F1G1A1040006	0.1uF 10V	[M]
C52003	F1G1A1040006	0.1uF 10V	[M]
C52004	F1G1A1040006	0.1uF 10V	[M]
C52006	F1J0J106A014	10uF 6.3V	[M]
C52011	F1J0J106A014	10uF 6.3V	[M]
C52016	F1J0J106A014	10uF 6.3V	[M]
C52018	F1J0J106A014	10uF 6.3V	[M]
C52030	F1G1A1040006	0.1uF 10V	[M]
C52036	F1G1A1040006	0.1uF 10V	[M]
C52046	F1J0J106A014	10uF 6.3V	[M]
C52054	F1G1A1040006	0.1uF 10V	[M]
C52055	F1G1A1040006	0.1uF 10V	[M]
C52060	F1J0J106A014	10uF 6.3V	[M]
C52065	F1G1A1040006	0.1uF 10V	[M]
C52085	F1G1A1040006	0.1uF 10V	[M]
C52086	F1J0J106A014	10uF 6.3V	[M]
C52094	F1J0J106A014	10uF 6.3V	[M]
C52143	F1G1A1040006	0.1uF 10V	[M]
C52144	F1G1A1040006	0.1uF 10V	[M]
C52147	F1G1A1040006	0.1uF 10V	[M]
C52150	F1G1A1040006	0.1uF 10V	[M]
C52153	F1G1A1040006	0.1uF 10V	[M]
C52154	F1G1A1040006	0.1uF 10V	[M]
C52156	F1G1A1040006	0.1uF 10V	[M]
C52157	F1G1A1040006	0.1uF 10V	[M]
C52160	F1G1A1040006	0.1uF 10V	[M]
C52163	F1G1A1040006	0.1uF 10V	[M]
C52164	F1G1A1040006	0.1uF 10V	[M]
C52166	F1G1A1040006	0.1uF 10V	[M]
C52167	F1G1A1040006	0.1uF 10V	[M]
C52170	F1G1A1040006	0.1uF 10V	[M]
C52173	F1G1A1040006	0.1uF 10V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C52174	F1G1A1040006	0.1uF 10V	[M]
C52176	F1G1A1040006	0.1uF 10V	[M]
C52177	F1G1A1040006	0.1uF 10V	[M]
C52180	F1G1A1040006	0.1uF 10V	[M]
C52201	F1G1A1040006	0.1uF 10V	[M]
C52202	F1G1A1040006	0.1uF 10V	[M]
C52204	F1G1A1040006	0.1uF 10V	[M]
C52205	F1G1A1040006	0.1uF 10V	[M]
C52206	F1G1A1040006	0.1uF 10V	[M]
C52209	F1J0J106A014	10uF 6.3V	[M]
C52212	F1G1A1040006	0.1uF 10V	[M]
C52214	F1J0J106A014	10uF 6.3V	[M]
C52216	F1G1A1040006	0.1uF 10V	[M]
C52218	F1G1A1040006	0.1uF 10V	[M]
C52221	F1G1A1040006	0.1uF 10V	[M]
C52223	F1G1A1040006	0.1uF 10V	[M]
C52225	F1J0J106A014	10uF 6.3V	[M]
C52227	F1G1A1040006	0.1uF 10V	[M]
C52228	F1G1A1040006	0.1uF 10V	[M]
C52230	F1J0J106A014	10uF 6.3V	[M]
C52231	F1G1A1040006	0.1uF 10V	[M]
C52233	F1G1A1040006	0.1uF 10V	[M]
C52237	F1G1A1040006	0.1uF 10V	[M]
C52239	F1G1A1040006	0.1uF 10V	[M]
C52241	F1G1A1040006	0.1uF 10V	[M]
C52249	F1G1A1040006	0.1uF 10V	[M]
C54026	F1G1A1040006	0.1uF 10V	[M]
C54031	ERJ2GE0R00X	0 1/16W	[M]
C54033	F1G1A1040006	0.1uF 10V	[M]
C54034	F2G0J101A083	100uF 6.3V	[M]
C54035	F1G1A1040006	0.1uF 10V	[M]
C54036	F1G1A1040006	0.1uF 10V	[M]
C54037	ERJ2GE0R00X	0 1/16W	[M]
C54038	F2G0J101A083	100uF 6.3V	[M]
C54039	ERJ2GE0R00X	0 1/16W	[M]
C54060	F1G1A1040006	0.1uF 10V	[M]
C55058	F1G1C1030007	0.01uF 16V	[M]
C55059	F1G1C1030007	0.01uF 16V	[M]
C55062	F1G1C1030007	0.01uF 16V	[M]
C55063	F1G1C1030007	0.01uF 16V	[M]
C55064	F1G0J105A022	1uF 6.3V	[M]
C55065	F2G0J2200034	22uF 6.3V	[M]
C55066	F1G1A1040006	0.1uF 10V	[M]
C55067	F1J0J106A014	10uF 6.3V	[M]
C56002	F1G1A1040006	0.1uF 10V	[M]
C56003	F1G1A1040006	0.1uF 10V	[M]
C56004	F1G1A1040006	0.1uF 10V	[M]
C56005	F1G1A1040006	0.1uF 10V	[M]
C56006	F1G1A1040006	0.1uF 10V	[M]
C56007	F1G1A1040006	0.1uF 10V	[M]
C56009	F1G1A1040006	0.1uF 10V	[M]
C56010	F1G1A1040006	0.1uF 10V	[M]
C56011	F1G1A1040006	0.1uF 10V	[M]
C56012	F1G1A1040006	0.1uF 10V	[M]
C56013	F1G1A1040006	0.1uF 10V	[M]
C56014	F1G1A1040006	0.1uF 10V	[M]
C56016	F1G1A1040006	0.1uF 10V	[M]
C56017	F1G1A1040006	0.1uF 10V	[M]
C56018	F1G1A1040006	0.1uF 10V	[M]
C56020	F1G1A1040006	0.1uF 10V	[M]
C56022	F1G1A1040006	0.1uF 10V	[M]
C56023	F1G1A1040006	0.1uF 10V	[M]
C56024	F1G1A1040006	0.1uF 10V	[M]
C56025	F1G1A1040006	0.1uF 10V	[M]
C56026	F1G1A1040006	0.1uF 10V	[M]
C56029	F1G1A1040006	0.1uF 10V	[M]
C56030	F1G1A1040006	0.1uF 10V	[M]
C56031	F1G1E3310001	330pF 25V	[M]
C56032	ECJ0EC1H221J	220pF 50V	[M]
C58008	F1H1H103A219	0.01uF 50V	[M]
C58009	F1G1E1020001	1000pF 25V	[M]
C58011	F1H1C104A042	0.1uF 16V	[M]
C58012	F1H1C104A042	0.1uF 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C58013	F1H1C104A042	0.1uF 16V	[M]
C58014	F1H1A105A028	1uF 10V	[M]
C58015	F1K1C1060001	10uF 16V	[M]
C58016	F1G1E3310001	330pF 25V	[M]
C58017	F1J0J106A014	10uF 6.3V	[M]
C58018	F1J0J106A014	10uF 6.3V	[M]
C58020	F1J0J106A014	10uF 6.3V	[M]
C58023	F1G1A1040006	0.1uF 10V	[M]
C58024	ECJ0EB1C183K	0.018uF 16V	[M]
C58025	ECJ0EC1H221J	220pF 50V	[M]
C58026	F1G1E1020001	1000pF 25V	[M]
C58032	F1H1C104A042	0.1uF 16V	[M]
C58033	F1K1C1060001	10uF 16V	[M]
C58035	ECJ2FB0J475K	4.7uF 6.3V	[M]
C58036	F1H1C104A042	0.1uF 16V	[M]
C58037	F1K1C1060001	10uF 16V	[M]
C58038	ECJ2FB1E105K	1uF 25V	[M]
C58041	F1G1C153A039	0.015uF 16V	[M]
C58043	F1H1A105A028	1uF 10V	[M]
C58049	F1H1C104A042	0.1uF 16V	[M]
C58052	ECGCD0E121ER	120uF 25V	[M]
C58053	ECJ0EC1H221J	220pF 50V	[M]
C58054	F1H1C104A042	0.1uF 16V	[M]
C58055	ECGCD0D151ER	150uF 2V	[M]
C58078	F1K1C1060001	10uF 16V	[M]
C58079	F1K1C1060001	10uF 16V	[M]
C58080	F1K1C1060001	10uF 16V	[M]
C58082	F1H1C104A042	0.1uF 16V	[M]
C58301	F1J1A2250011	2.2uF 10V	[M]
C58302	F1H1A105A028	1uF 10V	[M]
C58303	F1G1C1030007	0.01uF 16V	[M]
C58307	F1H1A105A028	1uF 10V	[M]
C58309	F1J0J106A014	10uF 6.3V	[M]
C58312	F1H1A105A028	1uF 10V	[M]
C58314	F1H1A105A028	1uF 10V	[M]
C58315	F1G1E1020001	1000pF 25V	[M]
C58320	ECJ3YB1E475K	4.7uF 25V	[M]
C58321	F1H1C104A042	0.1uF 16V	[M]
C58322	F2G1C4700014	47uF 16V	[M]
FL51001	F1H0J4740004	0.47uF 6.3V	[M]
FL51002	F1H0J4740004	0.47uF 6.3V	[M]
FL51003	F1H0J4740004	0.47uF 6.3V	[M]
FL51004	F1H0J4740004	0.47uF 6.3V	[M]
FL51005	F1H0J4740004	0.47uF 6.3V	[M]
FL51006	F1H0J4740004	0.47uF 6.3V	[M]
FL51007	F1H0J4740004	0.47uF 6.3V	[M]
FL51009	F1H0J4740004	0.47uF 6.3V	[M]
FL51011	F1H0J4740004	0.47uF 6.3V	[M]
FL51012	F1H0J4740004	0.47uF 6.3V	[M]
FL51014	F1H0J4740004	0.47uF 6.3V	[M]
FL51018	F1H0J4740004	0.47uF 6.3V	[M]
FL51021	F1H0J4740004	0.47uF 6.3V	[M]
FL51022	F1H0J4740004	0.47uF 6.3V	[M]
FL51023	F1H0J4740004	0.47uF 6.3V	[M]
FL51024	F1H0J4740004	0.47uF 6.3V	[M]
FL51025	F1H0J4740004	0.47uF 6.3V	[M]
FL51026	F1H0J4740004	0.47uF 6.3V	[M]
FL51027	F1H0J4740004	0.47uF 6.3V	[M]
FL51028	F1H0J4740004	0.47uF 6.3V	[M]
FL51029	F1H0J4740004	0.47uF 6.3V	[M]
FL51030	F1H0J4740004	0.47uF 6.3V	[M]
FL51032	F1H0J4740004	0.47uF 6.3V	[M]
FL51033	F1H0J4740004	0.47uF 6.3V	[M]
FL51034	F1H0J4740004	0.47uF 6.3V	[M]
FL51037	F1H0J4740004	0.47uF 6.3V	[M]
FL51301	F1H0J4740004	0.47uF 6.3V	[M]
FL51302	F1H0J4740004	0.47uF 6.3V	[M]
FL51601	F1H0J4740004	0.47uF 6.3V	[M]
FL52001	F1H0J4740004	0.47uF 6.3V	[M]
FL52002	F1H0J4740004	0.47uF 6.3V	[M]
FL52003	F1H0J4740004	0.47uF 6.3V	[M]
FL52004	F1H0J4740004	0.47uF 6.3V	[M]
FL52010	F1H0J4740004	0.47uF 6.3V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
FL52013	F1H0J4740004	0.47uF 6.3V	[M]
FL52014	F1H0J4740004	0.47uF 6.3V	[M]
FL52017	F1H0J4740004	0.47uF 6.3V	[M]
FL52018	F1H0J4740004	0.47uF 6.3V	[M]
FL52201	F1H0J4740004	0.47uF 6.3V	[M]
FL52202	F1H0J4740004	0.47uF 6.3V	[M]
FL52203	F1H0J4740004	0.47uF 6.3V	[M]
FL52204	F1H0J4740004	0.47uF 6.3V	[M]
FL52205	F1H0J4740004	0.47uF 6.3V	[M]
FL55003	F1H0J4740004	0.47uF 6.3V	[M]
FL56001	F1H0J4740004	0.47uF 6.3V	[M]
FL56002	F1H0J4740004	0.47uF 6.3V	[M]
FL56003	F1H0J4740004	0.47uF 6.3V	[M]
FL56004	F1H0J4740004	0.47uF 6.3V	[M]